

**UNITED STATES ARMY
ELECTRONICS COMMAND
METEOROLOGICAL TEAM DATA**

PANAMA CANAL ZONE

OWN HILL

FEBRUARY 1971

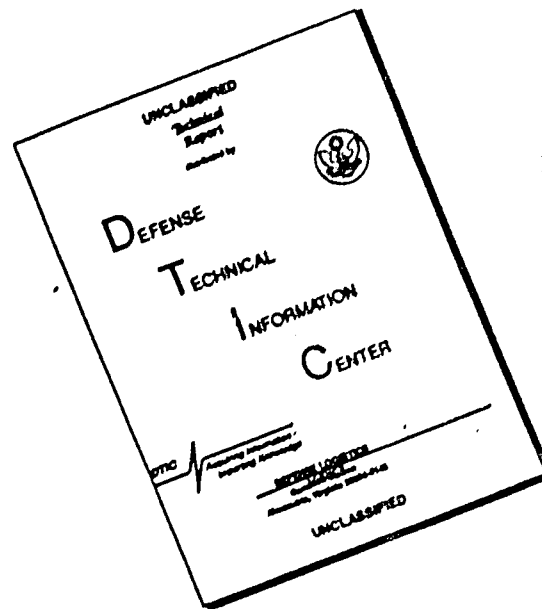
METEOROLOGICAL SERVICES TECHNICAL AREA

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**ATMOSPHERIC SCIENCES LABORATORY
WHITE SANDS MISSILE RANGE, NEW MEXICO**

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METEOROLOGICAL DATA REPORT
Atmospheric Sciences Laboratory Meteorological Team

P A N A M A C A N A L Z O N E

GUN HILL

FEBRUARY 1971

Meteorological Data
furnished by:

U.S. Army Electronics Command
Atmospheric Sciences Laboratory
Meteorological Services Technical Area
White Sands Missile Range, N.M. 88002

INTRODUCTION

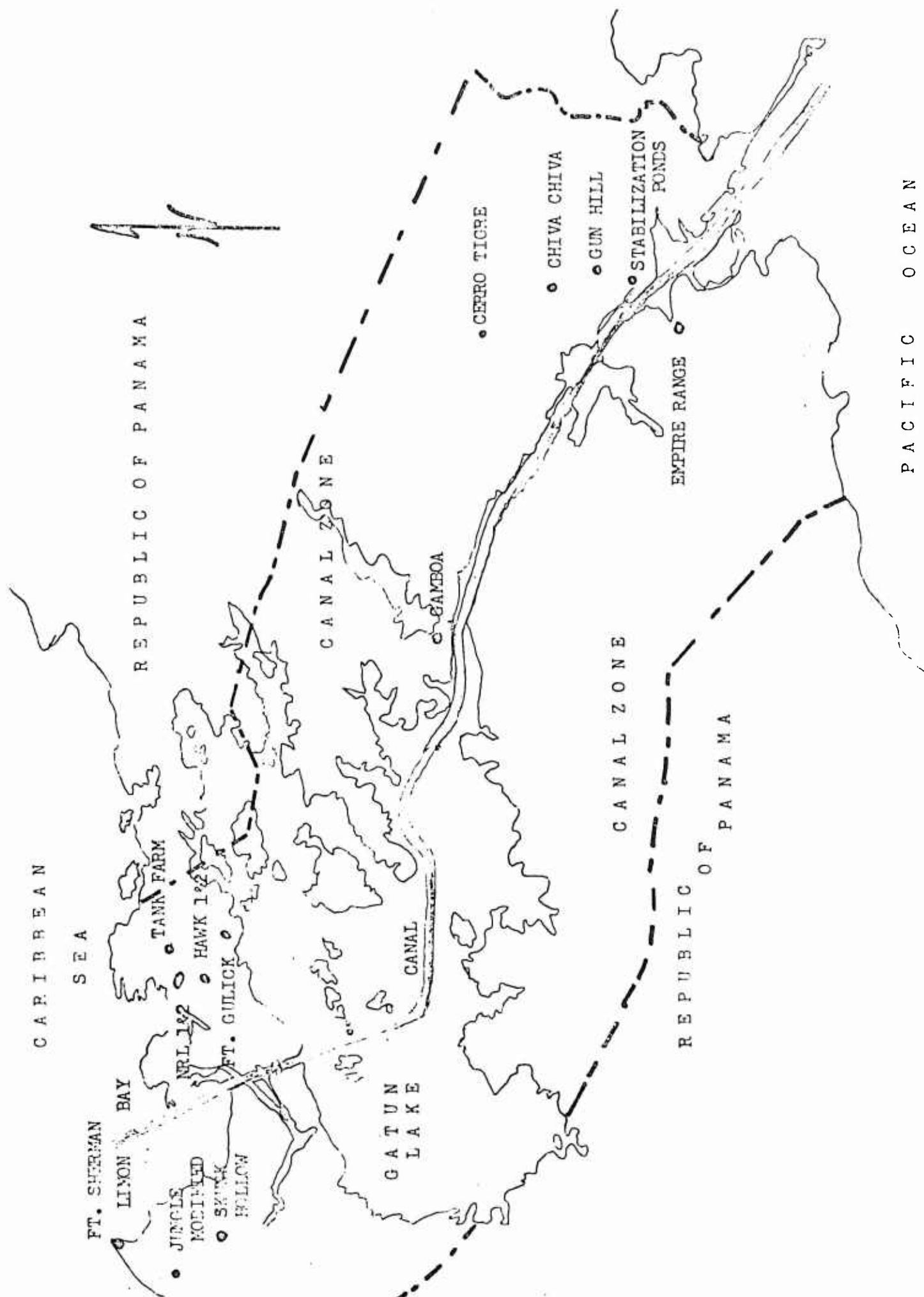
This report presents meteorological data as obtained from the processing of information recorded by the U. S. Army Meteorological Teams:

Any correspondence pertaining to processing and/or distribution of the inclosed data should be directed to:

Commanding Officer and Director
Atmospheric Sciences Laboratory
U.S. Army Electronics Command
ATTN: AISEL-BL-M
White Sands Missile Range, N.M. 88002

GEOGRAPHICAL DATA:

	<u>Elevation</u>	<u>Latitude</u>	<u>Longitude</u>
GUN Hill	401 ft MSL	9° 01'N	79° 35'W



PACIFIC OCEAN

DATA COLLECTION SENSORS

<u>DATA</u>	<u>SENSORS</u>
Wet Bulb Globe Temperatures	Thermocouples
Precipitation	Weighing-type recording 8" raingage
Station Pressure	Microbarograph
Temperature	Hygrothermograph
Relative Humidity	Hygrothermograph
Dew Point	Derived from temperature and relative humidity readings
Wind Direction & Speed	AN/GMQ-11 Wind Measuring System
Ozone	Ozonemeter
Vertical Eppley Radiation	Eppley pyheliometer mounted with sensor plate parallel to the horizon
Net Exchange Radiation	Net Exchange radiometer with sensor plate oriented to South
Total Hemispheric Radiation	Total Hemispheric radiometer with sensor plate oriented to South

NATURE OF SURFACE MATERIAL AROUND SENSORS

Gun Hill - Level hilltop with short grass

UNITS OF DATA MEASUREMENT

Units of measurement for data collected by US Army Meteorological Teams that are tabulated for distribution by the Meteorological Support Activity:

<u>Meteorological Element</u>	<u>Unit of Measurement</u>
Precipitation - - - - -	Inches
Pressure- - - - -	Millibars
Temperature - - - - -	Degrees Fahrenheit
Relative Humidity - - - - -	Percent
Wind Direction- - - - -	Sixteen Points of the Compass with reference to true north
Wind Speed- - - - -	Miles per hour
Wind Chill- - - - -	Kilogram calories/m ² /Hour
Radiation - - - - -	Langleys
Ozone - - - - -	Parts per hundred million
Visibility- - - - -	Horizontal visibility in Statute miles
Sky Cover - - - - -	Tenths of Opaque Overcast
Snow Depth- - - - -	Inches
General Weather - - - - -	Predominant condition

All meteorological elements, except radiation, are tabulated on the 24-hour clock, local standard time. Radiation is tabulated on the 24-hour clock, true solar time.

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GUN HILL
DISTRIBUTION LIST

	COPY NO.
Commanding Officer ASL Canal Zone Met Team P.O. Drawer 942 Fort Clayton, Canal Zone 09827	1
Data Processing Division Environmental Technical Application Center, USAF Federal Building Asheville, North Carolina 28801	2
Commanding Officer US Army Research Institute of Environmental Medicine ATTN: MEDRI-ME (Dr. R. F. Goldman) Natick, Massachusetts 01760	3
Commanding Officer Picatinny Arsenal ATTN: SMUPA-RE Dover, New Jersey 07801	4
Director US Army Engineer Waterways Experiment Station ATTN: WESSS P.O. Box 631 Vicksburg, Mississippi 39181	5
Commanding Officer US Army Tropic Test Center ATTN: STEIC-MA-O Fort Clayton, Canal Zone 09827	6 - 11
Panama Canal Company ATTN: Chief Hydrographer Box 504 Balboa Heights, Canal Zone 09827	12
Commanding General US Army Natick Laboratories ATTN: AMXRE-EA Natick, Massachusetts 01760	13
Commanding General Deseret Test Center Building 100, Soldiers Circle ATTN: STEPD-TT-ME (S) Fort Douglas, Utah 84113	14
Commander Naval Weapons Center ATTN: Code 45330 China Lake, California 93555	15

GUN HILL FEBRUARY 1971

1

HOUR	PRECIP	STA PRESS	TEMP	HUMID	DEW PT	WIND DIRECT	WIND- SPEED	DRY	WRGT	WRGT WFT	WBGT BLACK	WBGT INDEX
1	0.	996.0	69	98	69	NW	5	72	71	71	71	71
2	0.	995.4	70	98	69	NNW	5	73	71	72	72	72
3	0.	995.3	70	98	70	WNW	5	73	71	72	72	72
4	0.	995.4	70	98	69	WNW	6	73	71	71	71	71
5	0.	995.6	69	98	69	WNW	3	72	71	70	71	71
6	0.	995.9	69	98	68	N	2	72	71	70	71	71
7	0.	996.6	69	98	68	NNW	4	72	71	71	72	72
8	0.	997.1	74	98	73	WNW	4	76	75	91	78	78
9	0.	997.8	78	72	68	WNW	4	81	79	99	83	83
10	0.	998.7	82	68	70	WNW	6	85	78	105	84	84
11	0.	998.0	83	65	70	N	6	86	77	108	84	84
12	0.	997.8	85	62	71	N	7	87	79	105	85	85
13	0.	995.9	86	59	70	WNW	6	90	80	115	86	86
14	0.	995.2	87	54	68	N	7	91	79	112	87	87
15	0.	994.3	86	55	68	N	6	89	77	109	85	85
16	0.	994.1	84	56	67	N	8	86	75	104	82	82
17	0.	994.2	83	57	66	N	8	84	73	96	79	79
18	0.	994.6	79	64	65	N	8	79	71	82	74	74
19	0.	995.1	76	74	67	NNW	5	76	71	74	72	72
20	0.	995.7	73	97	72	N	5	75	72	73	72	72
21	0.	996.0	73	99	72	WNW	5	74	71	73	72	72
22	0.	996.3	73	98	72	WNW	5	74	71	72	72	72
23	0.	996.5	72	99	71	NNW	4	72	70	71	71	71
24	0.	996.4	71	99	71	WNW	4	74	71	72	72	72
TOT	0.00						128					
AVE		996.0	76	82	69	WNW	5	79	74	86	77	77
MAX		998.7	87	99	73		8	91	80	115	88	88
MIN		994.1	69	54	65		2	72	70	70	71	71

GUN HILL FEBRUARY 1971

1				
HOUR	VERT RAD	NET RAD	TOT RAD	OZONE
1	0	-6	31	1.9
2	0	-5	32	1.8
3	0	-6	32	1.9
4	0	-4	31	1.9
5	0	-5	31	1.9
6	0	-5	30	1.8
7	3	-3	36	1.7
8	23	5	53	1.7
9	44	19	74	1.9
10	59	33	90	2.1
11	74	44	103	2.4
12	72	46	106	2.6
13	78	51	114	2.8
14	72	44	109	3.2
15	59	37	92	3.3
16	41	21	75	3.6
17	15	3	51	3.7
18	1	-7	34	3.9
19	0	-7	31	3.2
20	0	-6	31	2.8
21	0	-6	31	2.5
22	0	-5	32	2.3
23	0	-5	32	2.1
24	0	-5	31	1.9
TOT	541	228	1312	
AVE				2.5
MAX				3.9
MIN				1.7

GUN HILL FEBRUARY 1971

2

HOUR	STA PRECIP	PRECIP	TEMP	HUMID	DEW PT	WIND- DIRECT	WIND- SPEED	WBGT DRY	WBGT WET	WBGT BLACK	WBGT INDEX
1	996.3	0.	71	97	70	NNW	4	74	72	72	72
2	995.9	0.	71	97	70	NW	4	74	72	72	72
3	995.6	0.	71	97	70	NNW	6	74	71	73	72
4	995.5	0.	71	97	70	NNW	5	74	72	72	72
5	995.3	0.	71	97	70	NNW	6	73	71	71	71
6	995.9	0.	71	97	70	NNW	6	73	71	72	72
7	996.4	0.	71	97	70	NNW	4	74	72	73	73
8	997.2	0.	75	90	72	NNW	3	74	77	92	80
9	997.3	0.	77	82	71	NNW	4	81	78	103	83
10	997.5	0.	80	64	67	NNE	7	83	76	95	80
11	997.1	0.	83	62	68	N	8	84	76	105	83
12	996.5	0.	85	56	67	N	8	87	77	111	85
13	995.1	0.	85	50	65	NNE	8	87	75	108	83
14	994.4	0.	85	52	66	N	8	87	75	104	83
15	993.8	0.	84	55	67	N	8	88	76	105	83
16	993.7	0.	84	61	69	N	7	86	78	110	85
17	993.9	0.	82	68	70	N	8	82	75	92	79
18	994.5	0.	80	64	74	NNE	6	79	72	81	74
19	994.8	0.	76	90	72	M	M	74	71	73	72
20	995.3	0.	72	96	71	M	M	73	70	72	71
21	995.5	0.	72	97	71	M	M	75	71	73	72
22	995.8	0.	72	92	69	M	M	74	71	72	71
23	995.8	0.	72	95	70	M	M	74	71	72	71
24	995.8	0.	71	97	71	M	M	73	70	71	71
TOT	0.00										
AVE	995.6		76	82	70	NNW	6	78	73	85	76
MAX	997.5		85	97	74		8	88	78	111	85
MIN	993.7		71	50	65		3	73	70	71	71

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GUN HILL FEBRUARY 1971

2

HOUR	VERT RAD	VERT AFT RAD	TOT RAD	OZONE
1	0	-5	32	1.8
2	0	-4	33	1.7
3	0	-5	32	1.8
4	0	-5	31	1.9
5	0	-5	32	1.9
6	0	-4	34	1.8
7	4	-2	38	1.8
8	23	7	53	1.7
9	43	20	72	1.8
10	58	36	93	2.0
11	73	43	100	2.3
12	78	51	110	2.4
13	78	51	113	2.6
14	72	47	106	2.7
15	61	35	97	2.6
16	43	22	78	2.8
17	18	5	50	2.8
18	1	-7	37	2.7
19	0	-6	33	2.5
20	0	-6	32	2.2
21	0	-6	31	2.1
22	0	-6	31	2.1
23	0	-6	31	2.1
24	0	-6	30	2.0
TOT	552	247	1329	
AVE				2.2
MAX				2.8
MIN				1.7

GUN HILL FEBRUARY 1971

3

HOUR	PRECIP	STA PRESS	TEMP	HUMID	DEW PT	WIND DIRECT	WIND SPEED	WBGT DRY	WBGT WET	WBGT BLACK	WBGT INDEX
1	0.	995.4	71	98	70	M	M	73	70	71	71
2	0.	994.6	71	99	70	M	M	73	71	71	71
3	0.	994.4	70	98	70	M	M	72	70	70	70
4	0.	994.5	70	99	70	M	M	72	70	70	70
5	0.	994.9	70	99	70	M	M	73	70	71	71
6	0.	995.1	70	99	69	M	M	72	69	70	70
7	0.	995.4	70	99	70	M	M	71	70	72	70
8	0.	996.2	73	93	71	M	M	76	74	88	77
9	0.	996.3	77	77	69	NNW	4	80	76	99	81
10	0.	996.5	81	64	68	N	5	82	74	97	80
11	0.	996.6	83	59	67	N	7	85	77	104	83
12	0.	995.8	85	54	66	N	7	85	75	102	81
13	0.	994.8	85	55	67	N	7	90	79	113	87
14	0.	994.0	85	60	70	N	8	89	76	110	84
15	0.	993.6	84	60	68	N	7	89	80	110	86
16	0.	993.3	83	64	69	N	8	87	79	108	86
17	0.	993.5	81	69	69	N	8	82	76	88	79
18	0.	993.8	78	85	73	N	7	80	74	84	76
19	0.	994.2	74	94	72	NNW	6	77	73	75	74
20	0.	994.7	72	98	72	NNW	5	76	72	74	73
21	0.	994.9	72	98	71	NNW	5	75	72	74	73
22	0.	995.1	71	98	71	NNW	5	74	72	73	72
23	0.	995.2	71	98	70	NNW	5	74	72	73	72
24	0.	995.2	70	98	70	NNW	5	74	71	72	72
TOT	0.00										
AVE		994.9	76	84	70			78	74	86	76
MAX		996.6	85	99	73		8	90	80	113	87
MIN		993.3	79	54	66		4	71	69	70	70

GUN HILL FEBRUARY 1971

3

HOUR	VERT RAD	NET RAD	TOT RAD	OZONE
1	0	-6	31	2.0
2	0	-6	31	1.9
3	0	-6	33	2.0
4	0	-5	33	2.0
5	0	-4	33	2.0
6	0	-5	32	2.0
7	4	-2	36	2.0
8	24	7	54	2.0
9	46	22	74	2.1
10	59	29	83	2.0
11	72	45	103	2.5
12	78	53	111	2.8
13	79	54	116	3.0
14	64	40	95	3.1
15	59	33	91	3.1
16	42	22	76	3.2
17	17	5	54	3.1
18	2	-4	37	3.1
19	0	-6	33	2.8
20	0	-6	33	2.7
21	0	-5	33	2.5
22	0	-6	32	2.3
23	0	-6	31	2.2
24	0	-6	32	2.1
TOT	547	237	1317	
AVE				2.5
MAX				3.2
MIN				1.9

GUN HILL FEBRUARY 1971

4

HOUR	PRECIP	STA PRESS	TEMP	HUMID	DEW PT	WIND- DIRECT	WIND- SPEED	WRGT DRY	WRGT WET	WRGT BLACK	WRGT INDEX
1	0.	994.3	69	98	69	NNW	5	74	71	72	72
2	0.	994.0	69	99	69	NW	4	73	71	71	71
3	0.	993.6	69	99	69	NW	4	73	71	71	71
4	0.	993.6	68	99	68	NW	3	72	71	71	71
5	0.	993.6	68	99	68	NW	4	73	71	71	71
6	0.	994.2	68	99	68	NW	3	73	71	71	71
7	0.	994.6	68	99	68	NW	4	72	72	73	72
8	0.	995.1	70	90	67	NW	5	78	77	94	80
9	0.	995.5	76	78	69	NNW	5	81	80	102	85
10	0.	996.0	82	71	72	NNW	5	81	77	94	80
11	0.	995.6	84	60	69	NNW	5	92	82	121	90
12	0.	995.2	86	58	70	N	6	87	79	111	86
13	0.	994.7	86	57	69	N	6	90	81	114	84
14	0.	993.2	86	58	69	N	5	94	82	122	91
15	0.	992.8	85	59	69	NNW	6	91	80	114	88
16	0.	992.5	84	64	70	NNW	6	90	79	110	87
17	0.	992.8	80	75	72	NNW	7	87	79	102	84
18	0.	993.1	76	91	74	NNW	6	81	75	81	77
19	0.	993.8	73	96	72	NNW	7	78	74	77	75
20	0.	994.4	72	100	72	NNW	6	77	74	76	75
21	0.	995.0	71	99	70	NNW	5	76	74	75	74
22	0.	995.6	70	99	70	M	M	76	74	74	74
23	0.	995.7	70	99	70	M	M	76	73	74	74
24	0.	995.3	69	99	69	M	M	75	73	73	73
TOT	0.00										
AVE		994.3	75	85	70	NNW	5	80	75	88	78
MAX		996.0	86	100	74		7	94	82	122	91
MIN		992.5	68	57	67		3	72	71	71	71

GUN HILL FEBRUARY 1971

4

HOUR	VERT RAD	NET RAD	TOT RAD	OZONE
1	0	-6	32	2.1
2	0	-6	32	2.0
3	0	-6	31	1.9
4	0	-6	32	1.9
5	0	-6	32	1.8
6	0	-5	31	1.7
7	4	-4	35	1.7
8	24	9	54	1.6
9	44	21	76	1.7
10	60	35	92	1.9
11	74	46	106	2.0
12	76	48	112	2.4
13	83	55	120	2.5
14	71	44	106	2.5
15	59	38	94	2.6
16	43	20	74	2.5
17	18	6	54	2.6
18	0	-7	34	2.6
19	0	-8	32	2.5
20	0	-7	33	2.4
21	0	-7	32	2.2
22	0	-7	33	1.9
23	0	-7	33	1.8
24	0	-7	33	1.6
TOT	556	233	1343	
AVE				2.1
MAX				2.6
MIN				1.6

GUN HILL FEBRUARY 1971

5

HOUR	PRECIP	STA PRESS	TEMP	HUMID	DEW PT	WIND DIRECT	WIND- SPEED	DRY	WGT WET	BLACK	WGT INDEX
1	0.	994.5	70	96	68	M	M	75	73	73	73
2	0.	994.0	69	96	68	M	M	74	73	72	73
3	0.	993.7	69	96	68	M	M	74	73	72	73
4	0.	993.5	69	96	68	M	M	73	73	72	73
5	0.	993.7	69	96	68	M	M	74	73	73	73
6	0.	994.4	69	96	68	M	M	73	73	72	72
7	0.	995.0	70	96	69	M	M	74	73	74	74
8	0.	995.6	73	96	71	M	M	78	77	88	79
9	0.	996.0	78	87	74	M	M	83	82	109	87
10	0.	996.3	81	72	71	NNW	4	86	81	111	88
11	0.	996.0	84	66	72	NNW	4	85	80	102	95
12	0.	995.3	83	72	73	NW	6	87	80	107	86
13	0.	994.8	85	69	74	NW	7	89	82	114	99
14	0.	994.2	86	66	73	NNW	6	91	81	117	89
15	0.	993.4	84	71	74	NNW	8	88	80	109	86
16	0.	993.0	81	81	75	NW	8	85	81	104	86
17	0.	993.0	79	88	75	NW	8	83	77	101	83
18	0.	993.4	76	97	75	NNW	5	77	75	79	76
19	0.	994.1	73	97	72	NW	4	75	74	74	74
20	0.	995.0	71	97	70	NW	5	74	73	74	73
21	0.	995.3	71	97	70	NW	5	75	74	74	74
22	0.	995.6	71	97	70	NW	5	75	74	74	74
23	0.	995.6	71	97	70	NW	5	74	73	73	73
24	0.	995.5	70	97	69	NW	6	73	73	73	73
TOT	0.00										
AVE		994.6	75	88	71			79	76	87	79
MAX		996.3	86	97	75		8	91	82	117	89
MIN		993.0	69	66	68		4	73	73	72	72

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GUN HILL FEBRUARY 1971

5

HOUR	VERT RAD	AFT RAD	TOT RAD	OZONE
1	0	-6	31	1.5
2	0	-7	31	1.5
3	0	-7	31	1.4
4	0	-7	31	1.3
5	0	-7	32	1.4
6	0	-7	31	1.3
7	7	-2	41	1.3
8	16	5	49	1.3
9	40	21	73	1.3
10	60	36	94	1.6
11	57	42	100	1.9
12	56	34	98	2.3
13	75	47	112	2.4
14	70	42	102	2.5
15	61	34	95	2.4
16	44	25	78	2.6
17	15	5	51	2.5
18	0	-7	35	2.3
19	0	-10	31	2.1
20	0	-4	32	1.9
21	0	-9	31	1.8
22	0	-8	32	1.6
23	0	-7	33	1.6
24	0	-4	32	1.7
TOT	501	199	1306	
AVE				1.8
MAX				2.6
MIN				1.3

GUN HILL FEBRUARY 1971

6

HOUR	PRECIP	STA PRESS	TEMP	HUMID	DEW PT	WIND - DIRECT	WIND SPEED	WBGD DRY	WBGD WET	WBGD BLACK	WBGD INDEX
1	0.	994.8	70	99	69	WNW	4	73	72	72	72
2	0.	994.2	69	99	69	NW	4	72	71	71	71
3	0.	993.7	69	99	69	NW	3	71	70	70	70
4	0.	993.7	69	99	69	NW	4	71	70	70	70
5	0.	994.1	69	99	68	NW	4	73	73	73	73
6	0.	994.5	68	99	68	NW	5	73	72	72	72
7	0.	994.8	69	99	69	WNW	4	73	73	73	73
8	0.	995.5	72	99	72	NNW	2	76	75	75	77
9	0.	995.9	75	98	75	NW	2	81	80	94	83
10	0.	996.3	80	77	72	WNW	2	89	78	120	87
11	0.	995.8	82	69	71	ESE	2	88	82	122	90
12	0.	995.1	86	65	74	NW	3	87	81	100	85
13	0.	994.2	86	62	71	WNW	3	87	78	101	84
14	0.	993.4	85	67	72	NW	5	71	71	72	71
15	.21	993.2	71	95	70	WSW	5	74	71	78	73
16	0.	992.1	75	98	74	WNW	6	78	75	85	77
17	0.	992.1	76	95	74	WNW	5	78	76	82	77
18	0.	992.4	74	98	73	NW	9	76	74	77	75
19	0.	993.0	72	98	71	NW	6	74	73	73	73
20	0.	993.8	71	98	71	NW	5	74	73	73	73
21	0.	994.3	71	98	71	NW	5	74	73	73	73
22	0.	995.0	71	98	71	NW	5	74	73	73	73
23	0.	995.0	70	98	70	NNW	4	73	73	73	73
24	0.	994.6	71	98	70	NNW	3	73	72	72	72
TOT	.21						100				
AVE		994.2	74	92	71	NW	4	76	74	81	76
MAX		996.3	86	99	75		9	89	82	122	90
MIN		992.1	68	62	68		2	71	70	70	70

GUN HILL FEBRUARY 1971

6

HOUR	VERT RAD	NFT RAD	TOT RAD	OZONE
1	0	-7	32	1.9
2	0	-5	35	2.0
3	0	-6	34	2.4
4	0	-7	33	2.5
5	0	-8	32	2.5
6	0	-7	32	2.5
7	5	-3	37	2.5
8	20	7	51	2.5
9	32	14	63	2.4
10	53	34	91	2.2
11	65	44	103	2.0
12	66	44	110	2.2
13	44	22	79	2.3
14	21	-10	49	2.4
15	10	7	42	2.4
16	15	8	52	1.9
17	11	2	47	1.8
18	1	-5	35	1.9
19	0	-7	32	2.0
20	0	-7	31	2.0
21	0	-7	31	2.1
22	0	-6	33	2.1
23	0	-7	32	2.1
24	0	-8	31	2.1
TOT	343	82	1147	
AVE				2.2
MAX				2.5
MIN				1.8

GUN HILL FEBRUARY 1971

7

HOUR	PRECIP	STA PRESS	TEMP	HUMID	DEW PT	WIND - DIRECT	WIND SPEED	WBGT DRY	WBGT WET	WBGT BLACK	WBGT INDEX
1	0.	994.3	69	99	68	NW	3	72	70	70	70
2	0.	993.9	67	99	67	NNW	1	70	69	69	69
3	0.	993.7	68	99	67	NW	2	70	69	69	69
4	0.	993.6	68	99	68	NW	4	70	70	70	70
5	0.	993.8	68	99	68	NNW	3	72	71	71	71
6	0.	994.1	68	99	68	NNW	3	72	72	72	72
7	0.	994.7	72	99	71	NNW	3	72	72	72	72
8	0.	995.2	71	99	71	NW	2	75	75	89	78
9	0.	995.5	74	95	73	NW	3	80	80	97	83
10	0.	995.8	79	82	73	NW	4	84	82	114	89
11	0.	995.4	82	72	72	N	5	88	80	115	88
12	0.	994.7	85	64	71	NNW	6	88	80	119	89
13	0.	993.6	85	65	72	NW	6	91	81	120	89
14	0.	993.0	82	61	68	N	5	85	77	97	82
15	0.	992.8	83	57	66	N	6	92	82	120	91
16	0.	992.2	84	63	70	N	6	86	76	109	84
17	0.	992.4	82	68	71	NW	6	86	77	109	84
18	0.	992.5	81	80	74	NNW	5	80	74	85	77
19	0.	992.9	78	100	78	NW	4	76	73	74	73
20	0.	993.7	74	97	73	NW	5	74	72	72	72
21	0.	994.2	72	97	71	NW	6	74	72	72	72
22	0.	994.6	71	99	71	NNW	6	72	71	71	71
23	0.	995.0	70	99	70	NNW	5	71	70	70	70
24	0.	994.9	69	99	69	NNW	4	71	70	69	70
TOT	0.00						103				
AVE		994.0	75	87	70	NW	4	78	74	87	77
MAX		995.8	85	100	78		6	92	82	120	91
MIN		992.2	67	57	66		1	70	69	69	69

GUN HILL FEBRUARY 1971

7

HOUR	VERT RAD	NET RAD	TOT RAD	OZONE
1	0	-6	32	2.2
2	0	-6	30	2.1
3	0	-6	31	2.1
4	0	-4	34	2.0
5	0	-5	34	2.0
6	0	-5	34	2.0
7	4	-4	37	2.0
8	26	9	52	2.0
9	38	21	68	2.0
10	62	37	93	2.1
11	70	43	104	1.9
12	67	40	97	2.0
13	69	47	103	2.3
14	32	25	75	2.4
15	50	32	86	2.6
16	29	16	65	2.8
17	27	15	66	3.0
18	3	-3	40	2.8
19	0	-9	31	2.2
20	0	-8	32	2.0
21	0	-8	31	2.1
22	0	-8	32	2.1
23	0	-8	31	2.1
24	0	-8	31	2.0
TOT	477	197	1269	
AVE				2.2
MAX				3.0
MIN				1.9

GUN HILL FEBRUARY 1971

8

HOUR	PRECIP	STA PRESS	TEMP	HUMID	DEW PT	WIND - DIRECT	WIND SPEED	DRY	WET	WGT BLACK	WGT INDEX
1	0.	994.4	68	97	67	NW	2	70	69	69	69
2	0.	993.9	68	97	68	NW	3	69	69	69	69
3	0.	993.4	68	98	67	NW	3	69	68	69	69
4	0.	993.0	68	97	67	NW	3	69	68	69	69
5	0.	993.3	68	98	67	NW	4	69	69	68	69
6	0.	993.9	68	98	67	NW	2	69	68	68	68
7	0.	994.5	67	98	67	NW	2	69	69	69	69
8	0.	995.4	71	98	70	NW	2	74	74	93	78
9	0.	996.0	70	85	72	NNW	3	77	75	108	81
10	0.	996.9	80	74	71	N	4	80	75	107	82
11	0.	997.0	81	68	70	NNW	4	78	72	96	78
12	0.	996.2	80	61	71	NNW	5	82	74	103	81
13	0.	995.9	87	54	71	WNW	5	84	77	115	86
14	0.	995.0	87	57	70	NW	6	86	77	110	84
15	0.	994.4	86	56	69	NW	7	85	75	108	83
16	0.	994.5	80	60	70	NNW	7	84	75	103	81
17	0.	994.4	83	63	69	NNW	7	81	72	94	77
18	0.	994.6	79	77	71	NNW	6	77	71	84	74
19	0.	995.4	75	91	73	NNW	4	73	69	71	70
20	0.	996.5	74	99	73	NNW	6	70	68	68	68
21	0.	996.7	72	97	72	NNW	4	71	69	69	69
22	0.	997.2	72	97	71	NNW	4	70	68	68	69
23	0.	997.4	72	97	71	NNW	3	69	69	68	69
24	0.	997.2	72	97	71	NNW	4	69	68	68	68
TOT	0.00						100				
AVE		995.3	76	84	70	NNW	4	75	71	84	74
MAX		997.4	87	99	73		7	86	77	115	86
MIN		993.0	67	56	67		2	69	68	68	68

GIJN HILL FEBRUARY 1971

R

HOUR	VERT RAD	NET RAD	TOT RAD	OZONE
1	0	-4	32	1.0
2	0	-4	32	1.6
3	0	-4	31	1.6
4	0	-4	30	1.6
5	0	-4	31	1.5
6	0	-4	31	1.6
7	5	-6	36	1.3
8	26	10	56	1.6
9	44	23	72	1.5
10	54	31	91	1.8
11	57	36	90	2.3
12	41	50	115	2.5
13	42	54	116	2.8
14	72	43	103	3.1
15	62	36	93	3.1
16	44	25	77	3.2
17	20	7	54	3.1
18	2	-5	36	3.0
19	0	-4	30	2.6
20	0	-4	32	2.5
21	0	-4	32	2.3
22	0	-4	32	2.2
23	0	-7	31	2.1
24	0	-7	31	2.0
TOT	553	206	1312	
AVE				2.2
MAX				3.2
MIN				1.3

GUN HILL FEBRUARY 1971

9

HOUR	PRECIP	STA PRESS	TEMP	HUMID	DEW PT	WIND DIRECT	WIND- SPEED	WBG T DRY	WBG T WET	WBG T BLACK	WBG T INDEX
1	0.	996.1	71	96	70	NW	5	69	68	67	68
2	0.	996.3	70	97	69	NW	4	69	68	67	68
3	0.	995.9	70	97	69	NW	3	68	67	66	67
4	0.	995.4	70	97	69	NNW	3	67	66	66	66
5	0.	995.2	70	98	69	NNW	5	69	67	67	67
6	0.	995.5	70	98	69	NNW	5	68	67	66	67
7	0.	996.0	71	97	70	NNW	4	68	67	68	68
8	0.	996.7	74	91	71	N	3	74	72	91	76
9	0.	997.3	80	80	73	N	4	77	73	99	78
10	0.	998.0	83	72	73	N	4	86	78	114	86
11	0.	997.8	85	62	70	N	6	88	83	115	89
12	0.	996.6	88	55	70	N	6	90	79	119	88
13	0.	996.4	90	49	68	N	5	94	82	120	91
14	0.	995.6	90	48	68	N	5	94	82	123	92
15	0.	994.9	89	50	68	N	5	91	80	114	88
16	0.	994.5	87	56	69	N	7	86	78	104	84
17	0.	994.6	84	68	72	N	6	83	75	95	80
18	0.	995.1	79	74	71	N	6	78	72	82	75
19	0.	996.1	76	86	71	N	5	75	70	73	71
20	0.	996.8	73	96	72	N	5	73	69	71	70
21	0.	997.3	73	97	72	N	5	74	71	71	71
22	0.	997.7	71	97	70	N	5	73	70	70	71
23	0.	998.0	70	97	69	N	6	73	70	70	71
24	0.	997.7	70	97	69	N	6	72	70	71	70
TOT	0.00						118				
AVE		996.3	77	82	70	N	5	77	73	86	76
MAX		998.0	90	98	73		7	94	83	123	92
MIN		994.5	70	48	68		3	67	66	66	66

GUIN HILL FEBRUARY 1971

9

HOUR	VERT RAD	NET RAD	TOT RAD	OZONE
1	0	-7	31	1.8
2	0	-6	31	1.7
3	0	-6	31	1.8
4	0	-6	32	1.6
5	0	-6	32	1.4
6	0	-6	31	1.6
7	4	-4	36	1.6
8	24	7	54	1.7
9	45	22	74	1.9
10	57	33	89	2.1
11	75	49	110	2.3
12	74	46	108	2.1
13	77	55	118	2.2
14	72	51	114	2.6
15	59	39	97	2.9
16	38	22	76	3.1
17	17	6	53	3.2
18	2	-6	35	3.0
19	0	-9	29	2.9
20	0	-8	30	2.8
21	0	-8	30	2.8
22	0	-7	30	2.6
23	0	-7	31	2.5
24	0	-7	30	2.5
TOT	544	237	1332	
AVE				2.3
MAX				3.2
MIN				1.4

GUN HILL FEBRUARY 1971

10

HOUR	PRECIP	STA PRESS	TEMP	HUMID	DEW PT	WIND DIRECT	WIND SPEED	WGHT DRY	WGHT WET	WGHT BLACK	WGHT INDEX
1	0.	997.6	71	95	70	NNW	5	72	70	70	70
2	0.	997.1	70	95	69	NNW	5	71	70	69	70
3	0.	996.9	68	92	66	NNW	4	70	68	68	68
4	0.	996.6	69	94	67	NNW	4	70	67	68	68
5	0.	997.2	68	92	66	NNW	5	71	68	70	69
6	0.	997.6	68	94	67	NNW	5	71	69	69	69
7	0.	998.0	70	90	67	NNW	5	71	69	72	70
8	0.	998.6	73	81	66	NNW	4	76	73	90	77
9	0.	998.9	76	73	67	N	4	80	76	98	81
10	0.	999.4	80	62	65	N	7	80	73	102	79
11	0.	999.6	81	54	63	N	8	84	74	108	82
12	0.	999.0	85	47	62	N	9	86	74	108	82
13	0.	998.1	85	44	61	NNW	8	86	74	111	83
14	0.	997.7	86	45	62	NNW	8	87	75	112	83
15	0.	997.0	85	48	63	N	7	87	75	109	83
16	0.	996.2	82	53	63	N	8	82	74	101	80
17	0.	996.0	81	49	64	N	7	81	69	89	74
18	0.	996.6	77	67	65	N	7	76	70	82	73
19	0.	997.0	73	83	67	NNW	5	73	69	71	70
20	0.	997.3	71	93	69	NNW	4	71	69	70	69
21	0.	997.9	70	95	69	NNW	3	72	69	69	69
22	0.	998.2	69	95	68	NNW	3	71	69	69	69
23	0.	998.3	69	95	67	NNW	4	71	69	69	69
24	0.	997.4	69	93	67	NNW	3	71	68	68	69
TOT	0.00						132				
AVE		997.7	75	76	66	NNW	6	76	71	84	74
MAX		999.6	86	95	70		9	87	76	112	83
MIN		996.0	68	44	59		3	70	67	68	68

GUN HILL FEBRUARY 1971

19

HOUR	VERT RAD	AFT RAD	TOT RAD	OZONE
1	0	-7	30	2.5
2	0	-4	30	2.5
3	0	-2	30	2.4
4	0	-6	30	2.4
5	0	-6	30	2.4
6	0	-6	30	2.5
7	5	-4	35	2.3
8	24	7	53	2.3
9	43	22	74	2.4
10	57	34	90	2.5
11	70	48	107	2.4
12	77	54	113	2.8
13	79	55	115	2.9
14	71	48	107	3.0
15	59	34	96	3.1
16	34	19	69	3.1
17	14	7	54	3.1
18	3	-6	36	3.1
19	0	-4	30	3.0
20	0	-4	30	2.4
21	0	-7	29	2.7
22	0	-7	30	2.6
23	0	-4	30	2.5
24	0	-4	30	2.4
TOT	536	235	1308	
AVE				2.7
MAX				3.1
MIN				2.3

GUN HILL FEBRUARY 1971

11

HOUR	PRECIP	STA PRESS	TEMP	HUMID	DEW PT	WIND DIRECTION	WIND SPEED	WGHT DRY	WGHT WET	WGHT BLACK	WGHT INDEX
1	0.	996.5	69	92	67	WNW	5	72	68	70	69
2	0.	995.9	69	87	65	WNW	5	71	67	69	68
3	0.	995.4	69	88	65	N	5	71	67	68	68
4	0.	995.3	69	97	68	WNW	5	70	67	68	68
5	0.	995.6	68	97	67	WNW	3	70	67	67	68
6	0.	996.0	68	97	67	N	2	70	67	67	68
7	0.	996.4	68	97	67	NW	2	71	68	71	69
8	0.	997.0	71	90	68	WNW	2	77	74	96	74
9	0.	997.4	75	81	69	WNW	2	82	77	110	84
10	0.	997.7	81	62	67	NE	3	84	75	104	82
11	0.	997.4	83	54	65	NE	6	87	76	112	84
12	0.	997.2	87	51	67	ENE	6	84	78	113	85
13	0.	996.4	86	52	66	N	6	85	74	112	84
14	0.	995.7	86	51	65	N	4	89	78	115	85
15	0.	994.9	85	51	65	ENE	5	90	80	115	83
16	0.	994.7	81	60	66	ENE	4	81	73	89	77
17	0.	994.7	80	55	63	N	7	83	72	97	73
18	0.	995.0	77	60	62	ENE	4	79	69	85	73
19	0.	995.7	73	76	65	N	3	73	67	70	68
20	0.	996.2	72	93	70	N	3	73	64	70	69
21	0.	996.9	71	96	70	WNW	3	72	64	70	69
22	0.	997.4	70	92	70	WNW	4	72	69	70	69
23	0.	997.4	70	94	69	WNW	3	71	68	69	69
24	0.	997.1	69	97	68	WNW	4	71	68	68	68
TOT	0.00						104				
AVE		996.2	75	74	67	WNW	4	77	71	85	74
MAX		997.7	87	98	70		8	90	80	115	88
MIN		994.7	68	51	62		2	70	67	67	64

GUN HILL FEBRUARY 1971

11

HOUR	VERT RAD	NET RAD	TOT RAD	OZONE
1	0	-7	30	2.5
2	0	-8	30	2.5
3	0	-8	29	2.5
4	0	-8	30	2.5
5	0	-7	30	2.5
6	0	-7	30	2.4
7	5	-5	35	2.3
8	24	9	52	2.2
9	44	22	73	2.2
10	59	33	94	2.6
11	70	44	103	2.8
12	61	43	96	3.1
13	64	44	100	3.0
14	62	44	100	3.0
15	51	33	90	3.1
16	33	18	73	3.1
17	21	6	55	3.0
18	2	-8	35	3.1
19	0	-8	27	3.2
20	0	-9	29	3.0
21	0	-6	30	2.9
22	0	-7	30	2.7
23	0	-7	30	2.6
24	0	-7	31	2.6
TOT	496	194	1262	
AVE				2.7
MAX				3.2
MIN				2.2

GUN HILL FEBRUARY 1971

12

HOUR	PRECIP	STA PRESS	TEMP	HUMID	DEW PT	WIND DIRECT	WIND- SPEED	WRGT DRY	WRGT WET	WRGT BLACK	WRGT INDEX
1	0.	996.8	69	94	67	NW	5	71	68	69	68
2	0.	996.2	68	95	67	NNW	5	70	67	68	68
3	0.	995.9	69	95	67	NNW	4	70	67	68	68
4	0.	995.7	68	95	66	NNW	3	68	66	66	67
5	0.	995.7	67	95	65	NNW	1	68	66	66	66
6	0.	996.1	66	95	65	NW	2	68	67	66	67
7	0.	996.7	68	95	66	NW	3	70	68	72	69
8	0.	997.5	70	93	68	NNW	2	75	73	92	77
9	0.	998.1	75	80	69	N	4	80	76	101	82
10	0.	998.3	79	71	69	N	3	80	76	95	80
11	0.	998.1	82	58	66	N	5	85	76	105	82
12	0.	997.5	83	50	63	N	6	87	76	114	85
13	0.	996.7	86	45	62	NNW	6	88	76	112	85
14	0.	995.7	87	46	64	NNW	7	88	77	112	85
15	0.	995.2	86	47	64	N	7	89	77	112	85
16	0.	994.6	85	51	65	N	7	87	75	109	83
17	0.	994.5	83	56	65	N	8	83	74	97	80
18	0.	995.3	80	69	69	N	7	74	71	83	74
19	0.	996.0	74	82	68	NNW	6	73	69	71	70
20	0.	996.7	72	94	70	NNW	6	72	69	70	70
21	0.	997.0	71	95	70	NNW	5	72	69	70	70
22	0.	997.2	71	95	69	NNW	5	72	69	70	69
23	0.	997.4	71	95	69	NNW	4	71	69	69	69
24	0.	997.2	70	95	68	NNW	5	71	69	69	69
TOT	0.00						116				
AVE		996.5	75	79	67	NNW	5	76	71	84	74
MAX		998.3	87	95	70		8	89	77	114	85
MIN		994.5	66	45	62		1	68	66	66	66

GUN HILL FEBRUARY 1971

12

HOUR	VERT RAD	NET RAD	TOT RAD	OZONE
1	0	-7	30	2.6
2	0	-6	30	2.5
3	0	-6	30	2.5
4	0	-6	30	2.5
5	0	-5	30	2.3
6	0	-5	30	2.2
7	5	-3	34	2.3
8	24	9	52	2.2
9	42	23	73	2.2
10	49	26	84	2.5
11	58	40	96	2.9
12	71	49	112	3.0
13	78	55	119	3.0
14	70	47	110	2.9
15	57	36	96	2.9
16	40	22	76	3.0
17	18	7	53	3.1
18	1	-7	33	3.3
19	0	-8	30	3.4
20	0	-8	30	3.6
21	0	-7	30	3.2
22	0	-7	30	3.0
23	0	-7	30	2.8
24	0	-6	30	2.7
TOT	513	226	1299	
AVE				2.8
MAX				3.6
MIN				2.2

GUN HILL FEBRUARY 1971

13

HOUR	PRECIP	STA PRESS	TEMP	HUMID	DEW PT	WIND - DIRECT	WIND SPEED	WBGT DRY	WBGT WET	WBGT BLACK	WBGT INDEX
1	0.	996.9	68	98	68	NNW	4	71	68	68	68
2	0.	996.4	69	98	68	NNW	4	71	68	69	69
3	0.	995.8	69	98	68	NNW	4	70	68	68	68
4	0.	995.5	68	98	67	NNW	4	70	68	68	68
5	0.	995.9	68	98	68	N	4	70	68	68	68
6	0.	996.3	68	98	68	NNW	5	70	68	68	68
7	0.	997.0	68	98	68	NNW	4	71	72	69	71
8	0.	997.5	76	90	73	NNW	4	75	73	90	77
9	0.	997.7	76	78	68	NNW	5	75	75	99	80
10	0.	998.1	78	66	66	N	6	82	75	100	81
11	0.	998.0	81	59	65	N	7	85	75	110	83
12	0.	997.5	84	53	65	N	6	88	75	112	84
13	0.	997.1	86	51	66	NNW	7	87	75	103	82
14	0.	996.0	86	53	67	NNW	7	88	76	114	85
15	0.	995.5	82	61	67	N	6	82	74	89	78
16	0.	994.9	83	58	67	N	6	85	74	103	81
17	0.	994.8	78	80	71	NNW	5	76	70	78	73
18	0.	995.1	77	80	70	NNW	5	77	71	80	73
19	0.	995.6	73	87	69	NNW	4	74	69	72	70
20	0.	996.3	72	97	71	NNW	5	71	68	70	69
21	0.	996.5	71	97	70	NNW	6	72	70	70	70
22	0.	996.9	70	98	69	NNW	5	71	70	70	70
23	0.	997.1	70	98	70	NNW	6	72	70	71	70
24	0.	996.7	71	98	71	NNW	7	72	70	71	71
TOT	0.00						126				
AVE		996.5	75	83	68	NNW	5	74	71	83	74
MAX		998.1	80	98	73		7	88	76	114	85
MIN		994.8	68	51	65		4	70	68	68	68

GUN HILL FEBRUARY 1971

13

HOUR	VERT RAD	NET FAD	TOT RAD	OZONE
1	0	-7	33	2.7
2	0	-7	33	2.6
3	0	-7	31	2.7
4	0	-7	32	3.4
5	0	-7	32	3.2
6	0	-7	31	3.5
7	4	-5	34	3.8
8	23	9	54	3.9
9	42	21	74	3.4
10	58	36	92	3.3
11	70	45	107	4.2
12	78	56	118	4.1
13	72	52	112	4.2
14	56	42	101	4.4
15	18	11	60	4.3
16	28	12	65	3.7
17	3	-2	41	3.2
18	2	-5	37	3.0
19	0	-8	31	3.0
20	0	-8	30	3.0
21	0	-7	32	2.7
22	0	-7	32	2.8
23	0	-5	34	2.6
24	0	-7	34	2.5
TOT	454	187	1280	
AVE				3.3
MAX				4.4
MIN				2.5

GUN HILL FEBRUARY 1971

14

HOUR	PRECIP	STA PRESS	TEMP	HUMID	DEW PT	WIND - DIRECT	WIND SPEED	WGHT DRY	WGHT WET	WGHT BLACK	WGHT INDEX
1	0.	996.4	76	100	76	NNW	5	72	70	72	71
2	0.	996.0	73	94	71	NNW	5	73	70	72	71
3	0.	995.5	72	95	70	NNW	6	72	69	71	70
4	0.	995.1	71	98	70	NNW	8	71	70	70	70
5	0.	995.2	71	98	70	NNW	4	71	69	69	69
6	0.	995.7	70	98	70	NNW	5	70	69	70	69
7	0.	996.4	70	98	69	NNW	4	70	68	70	69
8	0.	996.7	71	98	70	NNW	5	70	69	71	71
9	0.	997.1	74	90	70	NNW	5	77	74	100	80
10	0.	997.6	77	81	71	NNW	8	76	72	87	75
11	0.	997.6	79	79	72	NNW	7	79	72	99	78
12	0.	996.8	81	70	70	NNW	9	76	70	90	74
13	0.	996.3	80	75	71	NNW	7	77	73	90	77
14	0.	996.0	77	88	73	NNW	6	76	73	87	76
15	0.	995.4	77	88	73	NW	7	76	72	87	75
16	0.	994.4	76	92	74	NW	8	75	71	84	74
17	0.	994.4	75	98	75	NW	7	73	70	76	71
18	0.	994.8	74	98	74	NW	7	71	69	72	70
19	0.	995.4	72	98	71	NW	5	70	69	70	69
20	0.	996.2	72	98	71	NW	5	70	69	70	69
21	0.	995.9	71	98	71	NW	5	71	70	70	70
22	0.	996.2	72	98	71	NW	3	71	70	71	70
23	0.	996.5	72	99	72	NW	5	72	70	71	70
24	0.	996.5	72	99	72	NNW	4	71	70	70	70
TOT	0.00						140				
AVE		996.0	74	93	72	NNW	6	73	70	78	72
MAX		997.6	81	100	76		9	79	74	100	80
MIN		994.4	70	70	69		3	70	68	69	69

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GUN HILL FEBRUARY 1971

14

HOUR	VERT RAD	NET RAD	TOT RAD	OZONE
1	0	-3	35	2.8
2	0	-4	34	2.9
3	0	-4	34	2.8
4	0	-5	34	2.7
5	0	-5	32	2.5
6	0	-6	34	2.3
7	3	-2	35	2.3
8	20	8	53	2.4
9	46	25	71	2.6
10	48	24	82	2.8
11	66	43	92	2.9
12	75	53	110	3.4
13	34	21	72	3.2
14	30	14	68	3.4
15	30	19	67	4.4
16	21	11	58	5.8
17	6	1	43	5.4
18	0	-4	36	5.2
19	0	-5	34	5.6
20	0	-4	33	4.6
21	0	-5	33	4.1
22	0	-4	34	3.9
23	0	-5	34	3.9
24	0	-6	33	3.7
TOT	379	167	1204	
AVE				3.6
MAX				5.8
MIN				2.3

GUN HILL FEBRUARY 1971

15

HOUR	PRECIP	STA PRESS	TEMP	HUMID	DEW PT	WIND DIRECT	WIND- SPEED	WGT DRY	WGT WET	WGT BLACK	WGT INDEX
1	0.	996.2	72	98	71	WNW	4	71	70	70	70
2	0.	995.6	72	98	71	WNW	5	72	70	71	70
3	0.	995.1	71	98	71	WNW	6	71	70	70	70
4	0.	994.7	71	98	71	WNW	6	71	69	69	69
5	0.	994.6	71	98	70	WNW	4	70	69	68	69
6	0.	994.9	70	98	70	WNW	4	70	68	69	69
7	0.	995.3	70	98	69	WNW	3	70	69	70	69
8	0.	995.9	73	93	71	WNW	4	76	74	90	77
9	0.	994.4	75	83	69	WNW	5	79	75	96	80
10	0.	996.6	83	74	74	WNW	6	81	74	98	79
11	0.	996.6	84	66	71	WNW	5	83	75	111	83
12	0.	996.4	85	60	70	N	6	81	73	101	79
13	0.	995.1	88	57	70	WNW	5	89	75	113	84
14	0.	994.7	88	55	70	WNW	5	87	73	113	83
15	0.	993.4	88	54	69	N	6	86	75	111	83
16	0.	993.2	87	56	69	WNW	6	84	73	104	81
17	0.	993.3	83	59	67	N	7	79	71	94	75
18	0.	993.3	80	70	69	N	7	73	67	74	69
19	0.	994.1	76	89	73	WNW	6	70	67	69	68
20	0.	994.6	74	94	73	WNW	5	69	67	68	67
21	0.	995.2	73	94	73	WNW	5	70	67	68	68
22	0.	995.7	73	99	72	WNW	5	69	68	68	68
23	0.	996.0	72	99	72	WNW	4	69	67	67	67
24	0.	995.7	72	99	72	WNW	3	69	67	68	67
TOT	0.00						123				
AVE		995.1	77	83	71	WNW	5	75	71	83	74
MAX		996.6	88	99	74		7	89	75	113	84
MIN		993.2	70	54	67		3	69	67	67	67

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GIN HILL FEBRUARY 1971

15

HOUR	VERT RAD	NET RAD	TOT RAD	OZONE
1	0	-5	33	3.6
2	0	-4	35	3.5
3	0	-6	32	3.3
4	0	-7	32	3.3
5	0	-6	31	3.1
6	0	-6	33	3.0
7	4	-3		2.7
8	21	7	52	2.9
9	40	21	72	4.3
10	54	34	92	4.2
11	65	48	104	4.0
12	68	48	105	4.0
13	66	45	103	4.0
14	67	45	103	3.8
15	57	36	95	4.3
16	39	21	75	4.7
17	18	7	54	4.6
18	1	-7	33	5.5
19	0	-4	31	6.7
20	0	-7	31	5.7
21	0	-7	33	4.9
22	0	-7	32	4.4
23	0	-6	32	4.0
24	0	-6	34	3.7
TOT	500	227	1314	
AVE				4.1
MAX				6.7
MIN				2.7

GUN HILL FEBRUARY 1971

16

HOUR	PRECIP	STA PRESS	TEMP	HUMID	DEW PT	WIND - DIRECT	WIND- SPEED	DRY	WGT WFT	WGT BLACK	WGT INDEX
1	0.	995.5	71	99	71	WNW	5	68	66	66	67
2	0.	994.5	71	99	71	WNW	3	68	66	67	67
3	0.	994.0	71	99	71	WNW	5	68	66	66	66
4	0.	993.8	71	99	71	WNW	5	68	66	66	66
5	0.	993.9	71	99	71	WNW	5	69	67	67	67
6	0.	994.5	71	99	71	WNW	5	68	67	67	67
7	0.	995.0	71	99	71	WNW	5	69	67	69	68
8	0.	995.6	74	93	72	WNW	5	73	71	86	74
9	0.	996.0	76	74	67	N	4	77	74	99	79
10	0.	996.4	82	64	69	N	5	77	71	100	77
11	0.	996.3	84	65	71	N	4	78	68	96	75
12	0.	996.3	86	57	69	N	6	84	72	113	81
13	0.	995.9	87	56	69	N	5	81	71	100	78
14	0.	995.2	86	55	68	N	8	81	70	101	77
15	0.	994.6	80	56	64	N	6	77	69	87	73
16	0.	994.1	85	58	69	N	6	79	70	99	76
17	0.	994.3	84	64	70	N	4	77	64	94	74
18	0.	994.6	79	69	68	N	5	72	64	77	67
19	0.	995.3	76	87	71	WNW	6	68	63	66	64
20	0.	996.3	73	98	73	WNW	5	66	63	65	63
21	0.	996.5	73	99	72	WNW	4	67	64	65	64
22	0.	997.1	71	99	71	WNW	4	67	64	65	64
23	0.	997.1	71	99	70	WNW	4	66	63	64	64
24	0.	996.5	70	99	70	WNW	4	65	63	64	63
TOT	0.00						121				
AVE		995.4	77	83	70	WNW	5	72	67	80	70
MAX		997.1	87	99	73		8	84	74	113	81
MIN		993.8	70	55	67		3	65	63	64	63

GUN HILL FEBRUARY 1971

16

HOUR	VERT RAD	NET RAD	TOT RAD	OZONE
1	0	-5	32	3.4
2	0	-6	32	3.0
3	0	-5	31	3.0
4	0	-5	33	2.9
5	0	-4	32	2.4
6	0	-5	32	2.8
7	2	-1	37	2.9
8	24	10	55	2.4
9	45	26	79	2.8
10	55	34	93	3.2
11	65	42	103	3.2
12	67	45	105	3.4
13	71	50	111	3.4
14	64	43	99	3.4
15	51	32	87	3.4
16	41	23	76	3.7
17	19	8	56	3.3
18	2	-5	36	3.3
19	0	-4	29	3.4
20	0	-4	30	3.4
21	0	-4	29	3.0
22	0	-7	30	3.0
23	0	-4	29	2.9
24	0	-7	30	2.6
TOT	506	229	1307	
AVE				3.1
MAX				3.7
MIN				2.6

GUN HILL FEBRUARY 1971

17

HOUR	PRECIP	STA PRESS	TEMP	HUMID	DEW PT	WIND - DIRECT	WIND SPEED	WBGT DRY	WBGT WET	WBGT BLACK	WBGT INDEX
1	0.	996.5	70	98	69	WNW	5	65	63	63	63
2	0.	995.7	69	98	69	WNW	4	64	62	62	62
3	0.	995.5	69	99	69	WNW	3	64	62	62	62
4	0.	995.5	68	99	68	WNW	4	64	62	62	62
5	0.	995.8	68	99	68	WNW	4	64	61	62	62
6	0.	996.1	67	99	67	WNW	3	63	61	61	62
7	0.	996.6	67	99	67	NW	2	64	62	65	63
8	0.	997.4	75	93	72	NW	3	70	67	84	71
9	0.	997.6	77	78	70	WNW	3	75	70	98	76
10	0.	997.8	81	66	68	N	5	79	71	100	78
11	0.	997.9	84	54	65	N	5	76	69	93	74
12	0.	997.5	86	51	66	N	7	83	69	108	78
13	0.	996.5	88	47	65	WNW	7	84	74	115	83
14	0.	995.8	89	49	67	WNW	6	82	70	101	78
15	0.	995.3	87	49	65	N	6	83	69	105	77
16	0.	994.8	86	54	67	N	7	79	69	95	75
17	0.	995.2	83	60	67	N	8	78	66	92	72
18	0.	995.5	77	69	66	N	7	70	62	76	66
19	0.	995.9	74	87	70	WNW	6	66	60	64	62
20	0.	996.5	73	99	73	WNW	6	64	60	62	61
21	0.	997.0	72	99	72	WNW	5	66	63	64	63
22	0.	997.5	72	99	71	WNW	5	65	63	64	64
23	0.	997.5	72	99	71	WNW	5	66	63	64	64
24	0.	997.7	71	99	71	WNW	4	65	61	63	62
TOT	0.00						120				
AVE		996.5	76	81	68	WNW	5	71	65	79	68
MAX		997.9	89	99	73		8	84	74	115	83
MIN		994.8	67	47	65		2	63	60	61	61

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GUN HILL FEBRUARY 1971

17

HOUR	VERT RAD	AFT RAD	TOT RAD	OZONE
1	0	-6	30	2.8
2	0	-6	31	2.8
3	0	-6	30	2.6
4	0	-6	30	2.7
5	0	-6	30	2.7
6	0	-7	30	2.7
7	1	-4	37	2.5
8	11	8	53	2.7
9	33	22	74	2.6
10	51	33	88	3.0
11	63	43	98	3.3
12	73	52	117	3.4
13	79	53	120	3.3
14	74	44	108	3.4
15	58	36	96	3.5
16	39	21	77	3.4
17	19	5	53	3.5
18	2	-7	35	3.4
19	0	-9	31	3.3
20	0	-8	31	3.3
21	0	-7	30	3.2
22	0	-7	31	3.0
23	0	-7	30	2.9
24	0	-7	31	2.8
TOT	503	224	1321	
AVE				3.0
MAX				3.5
MIN				2.5

GUN HILL FERRUARY 1971

18

HOUR	PRECIP	STA PRESS	TEMP	HUMID	DEW PT	WIND DIRECT	WIND SPEED	WBGT DRY	WBGT WET	WBGT BLACK	WBGT INDEX
1	0.	997.1	71	98	70	NNW	3	65	62	63	62
2	0.	996.8	69	99	69	NNW	4	65	62	63	62
3	0.	996.5	69	99	69	NNW	4	65	62	63	62
4	0.	996.3	68	99	68	NNW	4	65	61	64	62
5	0.	996.2	68	99	68	NNW	4	64	62	62	62
6	0.	996.8	68	100	68	NNW	4	64	62	62	63
7	0.	997.4	68	100	68	NNW	4	65	63	65	64
8	0.	998.2	72	90	69	N	4	71	68	85	72
9	0.	998.5	75	78	68	NNW	4	76	72	99	78
10	0.	998.8	78	64	65	N	5	73	69	82	72
11	0.	999.0	82	53	63	N	4	77	67	92	73
12	0.	998.0	84	46	62	N	7	81	68	104	77
13	0.	997.8	86	45	62	N	7	85	71	109	80
14	0.	996.9	87	46	63	N	7	80	69	95	76
15	0.	996.3	89	48	64	N	5	85	71	110	80
16	0.	995.7	84	49	63	N	5	81	70	101	78
17	0.	995.6	82	60	67	N	7	79	67	97	74
18	0.	996.1	79	70	68	NNW	5	73	65	80	69
19	0.	996.4	75	84	70	NNW	6	69	63	67	64
20	0.	996.7	71	92	68	NNW	6	67	63	66	64
21	0.	997.5	70	97	69	NW	4	68	64	66	65
22	0.	998.1	70	95	68	NNW	4	68	64	66	65
23	0.	998.2	69	98	69	NNW	4	67	64	65	64
24	0.	997.7	69	100	69	NNW	5	67	65	66	65
TOT	0.00						119				
AVE		997.2	75	80	67	NNW	5	72	66	79	69
MAX		999.0	87	100	70		7	85	72	110	80
MIN		995.6	68	45	62		3	64	61	62	62

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GUN HILL FEBRUARY 1971

1A

HOUR	VERT RAD	AFT RAD	TOT RAD	OZONE
1	0	-6	31	2.7
2	0	-5	33	2.4
3	0	-5	33	2.4
4	0	-3	33	2.3
5	0	-6	31	2.3
6	0	-6	31	2.3
7	3	-3	34	2.3
8	21	7	53	2.1
9	42	21	70	2.3
10		25	74	2.7
11	70	42	103	2.9
12	75	49	112	3.1
13	77	51	116	3.0
14	72	45	104	3.0
15	62	38	97	3.0
16	39	21	78	3.0
17	22	6	58	3.1
18	2	-9	35	3.1
19	0	-8	30	3.1
20	0	-8	31	2.9
21	0	-7	30	2.6
22	0	-7	32	2.3
23	0	-6	30	2.5
24	0	-6	31	2.4
TOT	530	220	1310	
AVE				2.7
MAX				3.1
MIN				2.1

GUN HILL FEBRUARY 1971

19

HOUR	PRECIP	STA PRESS	TEMP	HUMID	DEW PT	WIND - DIRECT	WIND SPEED	WBGT DRY	WBGT WET	WBGT BLACK	WBGT INDEX
1	0.	997.4	68	98	67	NNW	5	67	64	65	64
2	0.	996.9	67	99	67	NNW	4	65	63	63	63
3	0.	996.4	67	99	67	NW	5	66	64	64	64
4	0.	996.2	67	99	67	NW	6	65	64	63	64
5	0.	995.9	66	99	66	NW	6	65	64	63	64
6	0.	996.4	66	99	66	NNW	5	64	63	62	63
7	0.	997.0	67	99	67	NW	5	66	64	68	65
8	0.	997.7	72	91	69	NW	3	71	70	89	74
9	0.	998.3	76	79	69	NW	3	74	72	96	77
10	0.	998.6	79	68	67	N	4	80	73	102	79
11	0.	998.3	82	58	66	N	6	84	75	112	83
12	0.	998.0	87	50	66	N	7	84	74	112	83
13	0.	997.1	88	47	65	N	5	85	72	110	81
14	0.	996.3	89	47	66	NNW	6	85	72	112	81
15	0.	995.7	88	48	65	N	7	84	74	109	82
16	0.	995.2	84	49	63	N	7	82	71	101	78
17	0.	995.2	81	53	62	N	9	78	67	93	73
18	0.	995.4	77	66	65	N	8	73	64	81	69
19	0.	995.7	74	84	68	NNW	5	68	63	67	64
20	0.	996.2	71	100	71	NNW	4	67	63	64	63
21	0.	997.1	69	99	69	NNW	6	67	64	65	64
22	0.	997.5	69	99	68	NNW	4	66	63	63	63
23	0.	997.9	69	99	68	NW	3	66	63	65	64
24	0.	997.8	68	99	67	NNW	4	65	63	63	63
TOT	0.00						127				
AVE		996.8	75	80	67	NNW	5	72	67	81	70
MAX		998.6	89	100	71		9	85	75	112	83
MIN		995.2	66	47	62		3	64	63	62	63

GUN HILL FEBRUARY 1971

19

HOUR	VERT RAD	NET RAD	TOT RAD	OZONE
1	0	-7	32	2.4
2	0	-7	33	2.3
3	0	-7	31	2.1
4	0	-4	31	2.2
5	0	-6	30	2.2
6	0	-6	30	2.2
7	5	-3	37	2.3
8	24	6	53	2.4
9	42	20	75	2.3
10	56	33	92	2.6
11	71	45	108	2.7
12	73	46	111	2.9
13	80	55	119	3.0
14	74	48	113	3.2
15	60	36	97	3.1
16	42	22	77	3.0
17	20	6	53	3.1
18	3	-7	34	3.3
19	0	-8	26	3.1
20	0	-8	29	3.0
21	0	-8	29	2.8
22	0	-7	31	2.6
23	0	-4	31	2.5
24	0	-7	30	2.2
TOT	550	220	1332	
AVE				2.6
MAX				3.3
MIN				2.1

GUN HILL FEBRUARY 1971

20

HOUR	PRECIP	STA PRESS	TEMP	HUMID	DEW PT	WIND DIRECT	WIND SPEED	WBGT DRY	WBGT WET	WBGT BLACK	WBGT INDEX
1	0.	997.7	70	99	69	NNW	3	64	62	62	62
2	0.	997.2	66	99	66	NW	3	63	62	62	62
3	0.	996.8	67	99	66	NW	4	63	62	61	62
4	0.	996.8	67	99	67	NW	3	63	62	62	62
5	0.	996.9	67	99	67	NW	2	64	63	63	63
6	0.	997.3	67	99	67	NNW	3	65	64	63	64
7	0.	997.2	67	99	67	NNW	2	65	64	65	64
8	0.	997.5	71	96	69	NW	3	71	70	87	73
9	0.	997.6	74	82	69	WNW	2	76	74	103	80
10	0.	998.1	80	73	71	NW	3	80	74	109	81
11	0.	997.9	83	61	68	N	2	80	72	92	77
12	0.	997.1	87	57	70	N	4	81	70	93	76
13	0.	996.6	83	63	70	NNW	4	80	71	89	76
14	.01	996.3	79	91	76	WNW	3	73	72	74	72
15	.08	994.2	76	99	76	SW	5	74	72	77	73
16	0.	993.6	77	93	75	W	6	75	72	78	74
17	0.	993.3	80	71	70	W	5	78	73	83	75
18	0.	993.5	77	86	72	NNW	6	76	71	78	73
19	0.	994.1	74	91	71	NNW	6	73	69	72	70
20	0.	994.9	73	97	72	NNW	5	71	68	70	68
21	0.	995.4	72	97	71	NNW	4	71	69	69	69
22	0.	995.7	71	100	71	NNW	5	70	69	69	69
23	0.	996.0	70	100	70	NNW	4	69	68	68	68
24	0.	995.6	70	100	70	NNW	4	69	67	67	68
TOT	.09						91				
AVE		996.1	74	90	70	NNW	4	71	68	76	70
MAX		998.1	87	100	76		6	81	74	109	81
MIN		993.3	66	57	66		2	63	62	61	62

GIN HILL FEBRUARY 1971

20

HOUR	VERT RAD	AFT RAD	TOT RAD	OZONE
1	0	-6	31	2.1
2	0	-6	31	2.0
3	0	-6	31	2.0
4	0	-7	31	2.1
5	0	-7	30	2.0
6	0	-7	30	2.0
7	4	-4	34	2.0
8	24	8	53	1.8
9	45	21	74	1.9
10	62	34	97	2.2
11	51	34	86	2.4
12	47	21	72	2.6
13	27	14	66	2.8
14	23	-18	35	3.8
15	7	-9	30	2.7
16	14	7	50	2.4
17	17	7	52	2.4
18	2	-2	39	2.5
19	0	-6	32	2.5
20	0	-6	33	2.4
21	0	-6	32	2.3
22	0	-6	32	2.0
23	0	-7	31	1.9
24	0	-7	30	2.0
TOT	323	40	1062	
AVE				2.3
MAX				3.8
MIN				1.8

GUN HILL FEBRUARY 1971

21

HOUR	PRECIP	STA PRESS	TEMP	HUMID	DEW PT	WIND DIRECT	WIND- SPEED	WRGT DRY	WRGT WET	WRGT BLACK	WRGT INDEX
1	0.	995.7	67	100	67	NNW	5	69	67	67	67
2	0.	994.9	68	100	68	NNW	6	69	67	67	67
3	0.	994.4	67	100	67	NW	4	67	66	66	66
4	0.	993.6	67	100	67	NW	6	67	65	66	66
5	0.	993.8	67	100	67	NNW	4	68	66	66	66
6	0.	994.0	65	100	65	NNW	5	66	65	65	65
7	0.	994.5	67	100	67	NW	4	67	66	66	66
8	0.	995.4	69	93	67	NW	4	71	69	69	71
9	0.	995.7	72	85	67	NW	3	M			
10	0.	996.1	78	73	69	NNW	4	M			
11	0.	996.1	80	69	69	NNW	4	M			
12	0.	995.5	83	70	72	NW	5	M			
13	0.	995.1	82	70	71	WNW	5	M			
14	0.	994.6	82	71	72	WNW	7	M			
15	0.	993.9	81	77	73	WNW	6	M			
16	0.	993.2	79	86	74	NW	5	M			
17	0.	993.5	78	90	74	NW	5	M			
18	0.	994.0	75	100	75	NNW	5	M			
19	0.	994.4	73	99	73	NNW	3	M			
20	0.	994.8	72	99	71	NNW	3	M			
21	0.	995.3	70	99	70	NW	3	M			
22	0.	996.1	71	99	71	N	2	M			
23	0.	996.3	71	99	70	NW	5	M			
24	0.	995.9	70	99	70	NNW	4	M			
TOT	0.00						107				
AVE		994.9	73	91	70	NW	4				
MAX		996.3	83	100	75		7				
MIN		993.2	65	69	65		2	66	65	65	65

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GUN HILL FEBRUARY 1971

21

HOUR	VERT RAD	NET RAD	TOT RAD	OZONE
1	0	-6	33	2.0
2	0	-7	32	2.1
3	0	-7	32	2.0
4	0	-7	31	2.0
5	0	-7	31	2.0
6	0	-7	32	1.7
7	3	-2	33	1.7
8	18	2	50	1.8
9	32	20	64	2.0
10	49	33	86	2.2
11	62	38	94	2.4
12	60	43	97	2.5
13	50	37	91	2.8
14	52	32	88	3.1
15	38	18	71	3.1
16	18	7	55	2.7
17	5	1	42	2.7
18	0	-3	37	2.5
19	0	-4	34	2.4
20	0	-4	33	2.2
21	0	-4	32	2.1
22	0	-3	36	2.2
23	0	-4	33	2.1
24	0	-5	32	1.9
TOT	387	167	1199	
AVE				2.3
MAX				3.1
MIN				1.7

GUN HILL FEBRUARY 1971

22

HOUR	PRECIP	STA PRESS	TEMP	HUMID	DEW PT	WIND - DIRECT	WIND SPEED	WBGT DRY	WBGT WET	WBGT BLACK	WBGT INDEX
1	0.	995.9	71	96	70	NW	3	M			
2	0.	995.4	71	96	69	NW	4	M			
3	0.	995.2	70	96	69	NNW	2	M			
4	0.	994.9	70	96	69	NW	3	M			
5	0.	995.2	70	96	69	NW	3	M			
6	0.	995.5	70	96	69	NW	4	M			
7	0.	995.9	70	96	69	NW	1	M			
8	0.	996.2	71	96	70	NW	2	M			
9	0.	997.1	74	96	73	NW	3	M			
10	0.	998.1	81	90	77	NW	2	M			
11	0.	997.9	81	77	73	N	1	84	79	100	84
12	0.	997.4	86	69	74	NE	1	88	81	112	88
13	0.	996.0	86	66	73	SE	1	85	78	102	84
14	0.	995.0	85	73	75	NNW	1	85	78	96	82
15	0.	993.8	84	77	76	SSW	4	82	77	83	79
16	.32	993.9	71	96	70	NNW	4	76	75	78	76
17	.03	994.1	73	96	71	ESE	3	72	71	72	71
18	.02	993.9	71	96	70	WNW	3	70	69	70	69
19	0.	993.9	71	96	70	WNW	2	71	70	70	70
20	0.	994.5	72	96	70	NW	2	71	70	71	70
21	0.	995.7	72	96	71	WNW	3	72	71	71	71
22	0.	996.1	73	96	72	NW	2	73	71	72	72
23	0.	996.8	72	96	71	NNW	2	72	71	71	71
24	0.	994.5	71	95	70	NW	2	72	71	71	71
TOT	.37						53				
AVE		995.6	74	91	71	NW	2				
MAX		998.1	86	96	77		4	88	81	112	88
MIN		993.8	70	66	69		1	70	69	70	69

GUN HILL FEBRUARY 1971

22

HOUR	VERT RAD	NET RAD	TOT RAD	OZONE
1	0	-5	32	2.0
2	0	-5	33	1.9
3	0	-6	34	1.8
4	0	-5	35	1.8
5	0	-5	36	1.8
6	0	-6	36	1.7
7	1	-3	36	1.7
8	6	0	43	1.7
9	11	3	47	1.8
10	37	18	69	1.6
11	35	23	72	1.8
12	52	32	85	2.1
13	26	13	65	2.6
14	40	20	76	2.6
15	17	-1	46	3.0
16	17	-11	39	2.5
17	1	-17	28	2.4
18	1	-14	23	2.4
19	0	-6	33	2.2
20	0	-4	35	1.7
21	0	-5	33	1.5
22	0	-5	34	1.5
23	0	-6	32	1.5
24	0	-6	33	1.4
TOT	244	-1	1035	
AVE				2.0
MAX				3.0
MIN				1.4

GUN HILL FEBRUARY 1971

23

HOUR	PRECIP	STA PRESS	TEMP	HUMID	DEW PT	WIND DIRECTION	WIND SPEED	WBGT DRY	WBGT WET	WBGT BLACK	WBGT INDEX
1	0.	995.7	71	99	71	NW	5	72	72	72	72
2	0.	995.0	72	99	71	NW	5	72	72	72	72
3	0.	994.7	72	99	71	NW	3	72	72	72	72
4	0.	994.4	71	99	71	NE	1	72	71	71	71
5	0.	994.3	71	98	71	NW	2	73	72	72	72
6	0.	994.7	71	98	71		0	72	71	71	71
7	0.	995.4	71	99	70	NNW	2	72	72	73	72
8	0.	996.4	74	98	74	NNW	2	75	74	84	77
9	0.	997.3	75	98	75	NNW	1	77	75	85	77
10	0.	997.6	79	94	77	NNW	1	81	78	94	82
11	0.	997.5	81	74	72	NNW	1	85	80	108	86
12	0.	997.0	83	97	82	NNW	2	86	79	102	84
13	0.	995.6	85	79	78	N	1	89	84	127	93
14	.07	994.7	83	89	80	N	4	84	80	102	85
15	0.	993.9	82	94	80	N	3	80	80	78	80
16	0.	992.8	80	99	79	NNW	3	79	77	84	79
17	0.	992.5	79	95	77	NNW	4	82	78	94	82
18	0.	992.3	78	99	77	NNW	3	77	75	78	76
19	0.	993.3	76	99	75	NW	4	76	74	75	74
20	0.	994.5	75	99	75	NNW	4	76	74	76	75
21	0.	994.8	76	99	75	NNW	4	76	74	74	74
22	0.	995.2	73	99	73	NNW	3	75	73	73	73
23	0.	995.4	73	99	73	NNW	3	74	73	73	73
24	0.	995.2	72	99	72	NW	4	74	73	72	73
TOT	.07						65				
AVE		995.0	76	96	75	NNW	3	77	75	83	77
MAX		997.6	85	99	82		5	89	84	127	93
MIN		992.3	71	74	70		0	72	71	71	71

GUN HILL FEBRUARY 1971

23

HOUR	VERT RAD	NET RAD	TOT RAD	OZONE
1	0	-7	33	1.2
2	0	-6	35	.9
3	0	-5	36	.5
4	0	-7	34	.6
5	0	-7	33	.8
6	0	-7	32	1.0
7	5	-5	37	.8
8	19	6	51	1.0
9	21	10	54	1.1
10	32	17	64	.7
11	54	32	83	.6
12	41	8	57	.8
13	41	47	103	1.2
14	39	22	72	1.4
15	23	4	48	1.1
16	19	7	52	1.2
17	17	5	50	.8
18	2	-6	36	1.0
19	0	-6	34	1.0
20	0	-5	36	1.0
21	0	-6	32	1.0
22	0	-7	32	.9
23	0	-8	31	.7
24	0	-8	30	.5
TOT	353	68	1105	
AVE				.9
MAX				1.4
MIN				.5

GUN HILL FEBRUARY 1971

24

HOUR	STA PRECIP PRESS	TEMP	HUMID	DEW - PT	WIND- DIRECT	WIND- SPEED	WBT DRY	WBT WET	WGT BLACK	WGT INDEX
1	0. 994.8	72	97	71	NW	6	73	72	72	72
2	0. 994.2	71	98	70	NW	5	73	73	72	73
3	0. 993.9	71	98	71	NNW	5	73	72	72	72
4	0. 993.5	72	98	71	NNW	5	73	71	71	72
5	0. 993.4	72	98	71	NNW	4	73	72	72	72
6	0. 993.9	72	98	71	N	4	73	72	72	72
7	0. 994.5	71	99	71	NW	3	73	72	72	72
8	0. 995.0	78	95	77	NW	3	76	75	83	76
9	0. 995.5	77	87	73	NNW	3	84	80	113	87
10	0. 996.0	80	80	74	NNW	3	84	80	95	83
11	0. 996.4	83	73	74	NW	3	84	79	103	84
12	0. 996.1	89	67	76	NNW	3	91	84	123	92
13	0. 994.9	88	68	76	N.	3	89	81	114	89
14	0. 994.3	89	62	74	N	4	89	80	104	86
15	0. 993.2	83	86	78	N	2	77	74	76	75
16	.02 992.2	77	100	77	NNW	6	75	74	76	74
17	0. 992.1	76	98	75	NW	6	74	73	76	73
18	0. 991.9	75	98	74	NNW	4	75	73	74	73
19	0. 992.1	75	98	75	NNW	4	75	72	73	73
20	0. 992.8	74	98	74	NNW	3	73	71	72	72
21	0. 993.7	74	98	73	NNW	4	74	73	73	73
22	0. 995.0	73	98	73	NW	3	73	72	72	72
23	0. 995.2	73	98	72	NW	3	73	72	72	72
24	0. 994.9	72	98	71	NNW	4	72	71	71	71
TOT	.02					93				
AVE	994.1	77	91	73	NNW	4	77	74	82	76
MAX	996.4	89	100	78		6	91	84	123	92
MIN	991.9	71	62	70		2	72	71	71	71

GUN HILL FEBRUARY 1971

24

HOUR	VERT RAD	NET FAD	TOT RAD	OZONE
1	0	-7	31	.5
2	0	-6	31	.6
3	0	-6	32	.7
4	0	-6	31	.8
5	0	-5	34	.9
6	0	-4	33	.9
7	3	-4	34	.7
8	25	12	55	.8
9	48	26	76	.9
10	52	31	83	1.2
11	50	33	85	1.5
12	50	30	81	1.6
13	77	50	111	1.6
14	26	15	66	1.9
15	4	-3	34	2.0
16	3	-3	38	1.6
17	3	-4	37	1.2
18	1	-5	34	.7
19	0	-6	31	.5
20	0	-7	31	.7
21	0	-7	32	.7
22	0	-7	32	.9
23	0	-7	32	.8
24	0	-8	31	.8
TOT	342	102	1115	
AVE				1.0
MAX				2.0
MIN				.5

GUN HILL FEBRUARY 1971

25

HOUR	PRECIP	STA PRESS	TEMP	HUMID	DEW PT	WIND DIRECT	WIND SPEED	WBG1 DRY	WBG1 WET	WBG1 BLACK	WBG1 INDEX
1	0.	994.6	72	99	72	NNW	5	72	71	71	71
2	0.	994.1	73	99	72	NNW	4	72	71	71	71
3	0.	993.7	72	98	71	NNW	6	72	71	71	71
4	0.	993.4	72	98	71	NW	4	71	70	69	70
5	0.	993.2	72	98	71	NNW	5	73	72	72	72
6	0.	993.5	72	98	71	NNW	5	73	72	72	72
7	0.	994.1	73	98	73	NNW	3	74	73	75	74
8	0.	994.7	74	96	73	NNW	3	78	76	89	79
9	0.	995.2	78	78	70	NNW	4	83	79	104	85
10	0.	995.6	83	71	73	N	4	84	79	104	85
11	0.	995.7	88	64	74	NNW	5	85	78	111	85
12	0.	994.4	86	69	74	N	6	90	79	112	87
13	0.	994.2	89	58	72	N	6	88	80	104	85
14	0.	993.1	87	65	74	N	6	84	77	98	82
15	0.	992.9	89	56	72	N	5	91	82	112	89
16	0.	992.3	88	62	73	NNW	6	89	78	103	84
17	0.	991.6	85	69	74	NNW	6	85	77	97	82
18	0.	991.6	81	79	74	N	6	79	74	80	75
19	0.	992.2	78	92	75	NNW	6	76	72	75	73
20	0.	992.7	75	99	75	NNW	5	76	72	74	73
21	0.	993.2	74	99	74	NNW	6	76	73	75	74
22	0.	993.6	74	98	74	NNW	7	76	73	75	74
23	0.	993.8	74	98	74	NNW	6	76	73	74	73
24	0.	994.0	74	98	73	NNW	4	75	73	74	74
TOT	0.00						123				
AVE		993.6	78	85	73	NNW	5	79	75	86	78
MAX		995.7	89	99	75		7	91	82	112	89
MIN		991.6	72	56	70		3	71	70	69	70

GUN HILL FEBRUARY 1971

25

HOUR	VERT RAD	NET RAD	TOT RAD	OZONE
1	0	-7	33	1.0
2	0	-7	33	1.0
3	0	-6	33	1.0
4	0	-6	32	1.0
5	0	-6	32	.9
6	0	-6	32	1.1
7	6	-1	37	1.2
8	24	12	54	1.2
9	47	26	76	1.2
10	60	37	90	1.5
11	72	47	110	1.7
12	73	46	108	1.9
13	76	52	111	2.0
14	57	30	90	2.2
15	63	42	99	2.1
16	43	25	78	1.9
17	18	8	54	2.1
18	2	-5	36	2.2
19	0	-7	31	2.2
20	0	-7	31	2.1
21	0	-7	31	1.9
22	0	-7	31	1.8
23	0	-7	31	1.8
24	0	-6	32	1.6
TOT	541	240	1325	
AVE				1.6
MAX				2.2
MIN				.9

GUN HILL FEBRUARY 1971

26

HOUR	PRECIP	STA PRESS	TEMP	HUMID	DEW PT	WIND DIRECT	WIND- SPEED	DRY	WGT WFT	WGT BLACK	WGT INDEX
1	0.	994.0	74	98	73	NNW	3	74	73	73	73
2	0.	993.8	73	100	73	NNW	4	74	73	73	73
3	0.	993.0	73	99	72	NNW	5	74	73	73	73
4	0.	992.6	73	99	73	NNW	5	74	72	73	73
5	0.	992.3	74	99	73	NNW	5	75	73	74	73
6	0.	992.4	73	99	73	NNW	6	74	72	73	73
7	0.	992.7	73	99	73	N	4	74	72	74	73
8	0.	993.7	74	99	74	NNW	3	77	74	84	76
9	0.	994.4	77	91	74	N	3	82	78	96	82
10	0.	995.0	83	80	76	N	4	85	81	104	86
11	0.	996.0	87	73	77	N	5	89	81	112	88
12	0.	995.7	86	69	74	N	5	91	83	114	90
13	0.	995.1	84	82	78	NNW	4	87	80	98	85
14	0.	994.5	86	69	74	N	5	88	81	108	87
15	0.	993.6	86	71	75	N	6	88	81	100	85
16	0.	992.8	85	67	73	NNW	7	87	78	109	85
17	0.	992.1	84	74	75	NNW	7	86	79	100	84
18	0.	992.3	80	87	76	NNW	4	80	75	82	77
19	0.	992.6	76	98	75	NNW	6	77	73	76	74
20	0.	993.7	75	100	75	NNW	5	76	73	74	73
21	0.	994.3	74	99	74	NNW	4	76	74	74	74
22	0.	995.0	73	99	73	NW	4	75	73	73	73
23	0.	995.3	72	99	72	NW	4	75	74	74	74
24	0.	995.6	72	99	71	NW	5	75	74	74	74
TOT	0.00						113				
AVE		993.9	78	90	74	NNW	5	80	76	86	78
MAX		996.0	87	100	78		7	91	83	114	90
MIN		992.1	72	67	71		3	74	72	73	73

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GUN HILL FREQUENCY 1971

26

HOUR	VERT RAD	NET RAD	TOT RAD	OZONE
1	0	-4	35	1.6
2	0	-4	35	1.4
3	0	-4	35	1.2
4	0	-4	33	1.3
5	0	-3	35	1.4
6	0	-4	33	1.5
7	7	-3	35	1.5
8	20	6	47	1.6
9	40	18	67	1.5
10	50	28	41	1.7
11	58	35	45	1.0
12	42	23	73	2.1
13	36	17	60	2.2
14	46	29	42	2.1
15	49	29	79	1.5
16	41	23	75	1.5
17	21	16	55	1.5
18	2	-4	36	1.4
19	0	-6	32	1.5
20	0	-5	31	1.7
21	0	-6	31	1.5
22	0	-6	32	1.4
23	0	-5	32	1.4
24	0	-6	31	1.2
TOT	412	153	1149	
AVE				1.6
MAX				2.2
MIN				1.0

GOV HILL FEBRUARY 1971

27

HOUR	PRECIP	STA PRESS	TEMP	HUMID	DEW PT	WIND DIRECTION	WIND SPEED	WIND- DIR	WGT	WGT	WGT	WGT	WGT
1	0.	994.9	72	98	72	W	4		74	73	73	73	73
2	0.	994.8	71	98	71	W	3		74	73	73	73	73
3	0.	994.3	71	94	71	N	4		74	73	73	73	73
4	0.	993.8	71	98	70	N	5		74	74	74	74	74
5	0.	993.5	71	94	70	N	5		74	74	73	74	74
6	0.	993.6	71	98	70	N	4		74	73	73	73	73
7	0.	994.0	71	98	70	N	5		74	73	74	74	74
8	0.	994.6	72	94	72	N	4		74	74	74	74	74
9	0.	995.3	76	98	75	N	3		81	74	94	94	94
10	0.	995.9	84	83	78	N	5		87	83	110	110	110
11	0.	994.5	87	74	77	N	3		84	79	108	108	108
12	0.	994.2	80	72	76	N	5		84	78	110	110	110
13	0.	995.6	87	62	75	N	5		84	82	104	104	104
14	0.	994.2	90	62	75	N	6		90	81	111	111	111
15	0.	993.7	80	62	71	N	5		84	74	94	94	94
16	.09	993.3	73	94	77	N	7		79	77	74	74	74
17	0.	993.0	82	80	78	N	4		84	80	94	94	94
18	0.	993.1	80	84	79	N	5		84	77	94	94	94
19	0.	993.4	77	97	75	N	7		74	74	77	77	77
20	0.	994.0	75	98	75	N	7		77	74	76	76	76
21	0.	994.5	75	94	74	N	7		77	74	76	76	76
22	0.	994.5	74	94	73	N	5		74	74	75	75	75
23	0.	995.1	73	94	73	N	4		74	73	74	74	74
24	0.	995.4	72	98	72	N	3		75	73	75	75	75
TOT	.09						115						
AVE		994.5	77	90	74	N	5		79	76	85	85	85
MAX		996.5	90	99	79		7		90	81	111	111	111
MIN		993.0	71	62	70		3		74	73	73	73	73

GUN HILL FEBRUARY 1971

27

HOUR	VERT RAD	NET RAD	TOT RAD	OZONE
1	0	-5	31	1.1
2	0	-5	32	1.2
3	0	-5	32	1.3
4	0	-5	32	1.3
5	0	-6	31	1.3
6	0	-5	31	1.3
7	6	-1	36	1.3
8	12	4	44	1.4
9	30	13	62	1.4
10	61	35	95	1.6
11	44	26	75	2.1
12	51	29	83	2.4
13	61	40	105	2.5
14	M	36	88	2.7
15	M	8	55	2.9
16	M	-5	42	2.7
17	M	10	54	2.4
18	1	-3	36	2.3
19	0	-0	32	2.4
20	0	-5	33	2.3
21	0	-5	32	2.2
22	0	-6	33	2.0
23	0	-5	33	2.2
24	0	-5	34	1.8
TOT		128	1161	
AVE				1.9
MAX				2.9
MIN				1.1

GUN MILL FEBRUARY 1971

24

HOUR	PRECIP	STA PRESS	TEMP	HUMID	DEW PT	WIND DIRECTION	WIND SPEED	WGT DRY	WGT WET	WGT BLACK	WGT INDEX
1	0.	994.9	73	98	72	W	4	74	73	73	73
2	0.	994.2	72	98	71	W	4	74	73	73	73
3	0.	993.9	72	98	71	W	4	74	73	73	73
4	0.	993.5	72	98	71	W	4	74	73	73	73
5	0.	993.2	71	98	71	W	4	74	74	74	74
6	0.	993.6	72	98	71	W	5	74	74	74	74
7	0.	994.1	72	98	71	W	3	74	75	75	76
8	0.	994.7	74	98	74	W	3	80	78	93	81
9	0.	995.1	74	98	74	W	3	85	82	109	88
10	0.	995.4	82	72	72	W	3	86	78	97	83
11	0.	995.5	86	69	73	W	3	88	79	101	84
12	0.	995.0	86	65	72	W	3	86	78	94	83
13	0.	994.4	87	62	72	W	6	88	81	105	87
14	0.	993.3	85	61	73	W	5	88	80	98	84
15	0.	992.7	84	60	72	W	4	91	83	116	80
16	0.	992.1	87	63	73	W	6	88	80	108	86
17	0.	991.8	86	67	74	W	7	79	70	95	76
18	0.	991.6	82	72	72	W	7	72	66	70	64
19	0.	992.2	78	91	75	W	5	64	43	66	64
20	0.	992.7	74	94	74	W	4	66	43	45	64
21	0.	993.1	74	97	73	W	2	67	44	65	64
22	0.	993.7	73	97	72	W	2	66	44	45	64
23	0.	994.1	73	97	72	W	2	67	44	45	64
24	0.	994.0	73	97	72	W	2	66	43	64	64
TOT	0.00						49				
AVE		993.7	74	85	72	W		77	73	73	77
MAX		995.5	84	98	75	W		91	83	116	88
MIN		991.6	71	60	71	W	2	64	43	45	64

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GIN MILL PROPERTY 1971

2A									
HOUR	VERT RAD	NET RAD	TOT RAD	OZONE					
1	0	-4	33	1.8					
2	0	-6	34	1.7					
3	0	-5	33	1.7					
4	0	-5	32	1.7					
5	0	-5	33	1.6					
6	0	-4	33	1.5					
7	M	4	37	1.3					
8	M	12	54	1.4					
9	M	14	72	1.5					
10	M	25	77	1.7					
11	M	19	69	2.0					
12	M	21	68	2.3					
13	M	25	77	2.4					
14	M	25	77	2.5					
15	M	43	98	2.7					
16	M	27	77	2.5					
17	M	10	56	2.7					
18	M	-4	35	2.7					
19	0	-6	30	2.6					
20	0	-5	32	2.5					
21	0	-5	31	2.4					
22	0	-4	31	2.3					
23	0	-4	31	2.2					
24	0	-4	31	2.0					
TOT		165	1181						
AVE				2.1					
MAX				2.7					
MIN				1.3					

WIND ROSE
GUN HILL FEBRUARY 1971

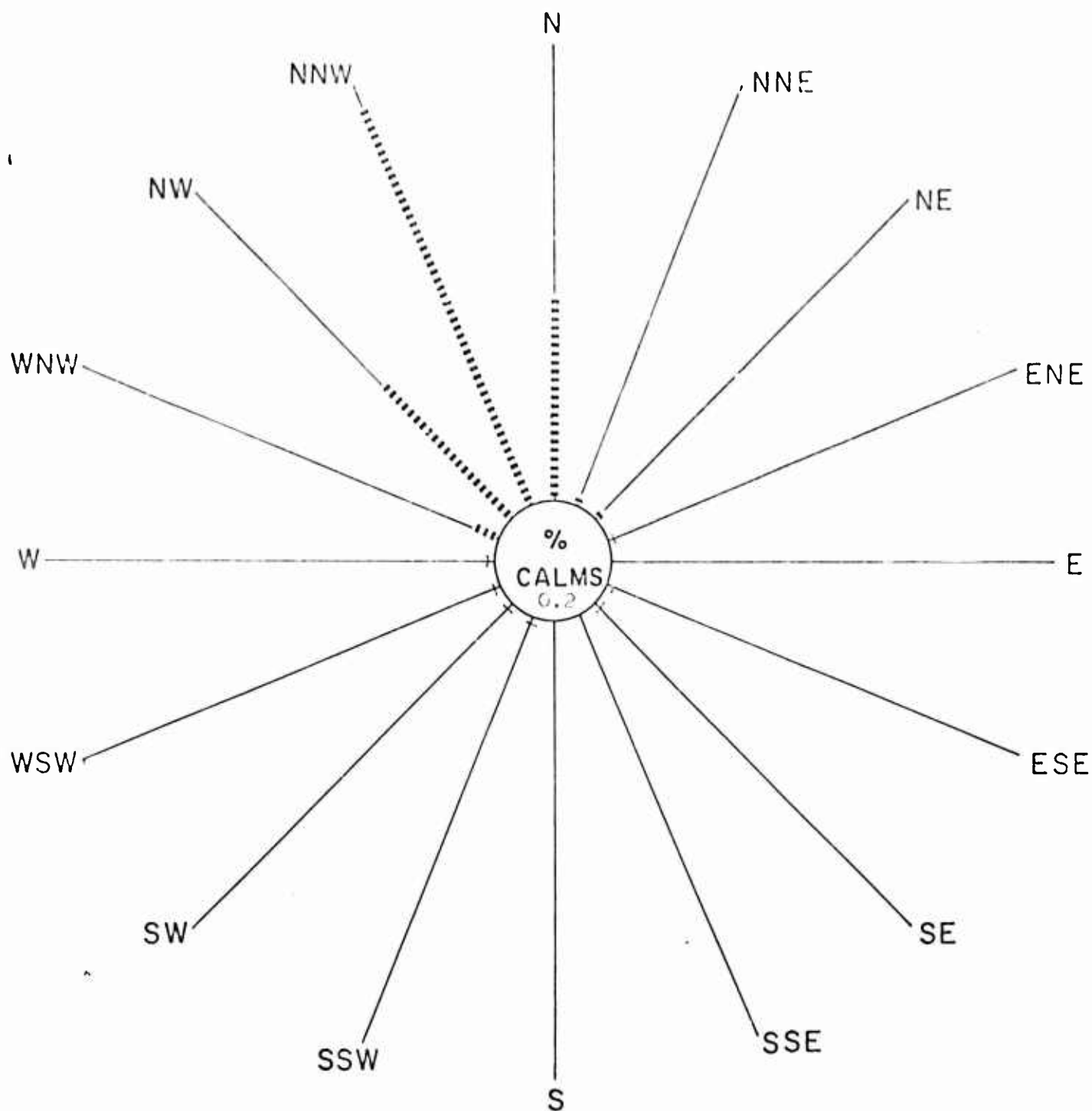
HOURLY OBSERVATIONS OF WIND SPEEDS

DIR	1--3	4--7	8--12	13--18	19--24	25--31	32--38	39--46	OVER 46	TOT	AVG SPD
N	FREQ 17	113	21	0	0	0	0	0	0	151	6
	PCT 2.63	17.49	3.25	0.00	0.00	0.00	0.00	0.00	0.00	23.37	
NNE	FREQ 0	5	2	0	0	0	0	0	0	7	6
	PCT 0.00	.77	.31	0.00	0.00	0.00	0.00	0.00	0.00	1.08	
NE	FREQ 3	1	0	0	0	0	0	0	0	4	3
	PCT .46	.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	.62	
ENE	FREQ 1	1	0	0	0	0	0	0	0	2	4
	PCT .15	.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	.31	
E	FREQ 0	0	0	0	0	0	0	0	0	0	0
	PCT 0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
ESE	FREQ 1	0	0	0	0	0	0	0	0	1	2
	PCT .15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	.15	
SE	FREQ 1	0	0	0	0	0	0	0	0	1	1
	PCT .15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	.15	
SSE	FREQ 0	0	0	0	0	0	0	0	0	0	0
	PCT 0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
S	FREQ 0	0	0	0	0	0	0	0	0	0	0
	PCT 0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
SSW	FREQ 0	1	0	0	0	0	0	0	0	1	4
	PCT .00	.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	.15	
SW	FREQ 0	1	0	0	0	0	0	0	0	1	5
	PCT .00	.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	.15	
WSW	FREQ 0	1	0	0	0	0	0	0	0	1	5
	PCT .00	.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	.15	
W	FREQ 0	2	0	0	0	0	0	0	0	2	5
	PCT .00	.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	.31	
WNW	FREQ 10	11	0	0	0	0	0	0	0	21	4
	PCT 1.55	1.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.25	
NW	FREQ 51	81	4	0	0	0	0	0	0	136	4
	PCT 7.89	12.54	.62	0.00	0.00	0.00	0.00	0.00	0.00	21.05	
NNW	FREQ 62	249	6	0	0	0	0	0	0	317	5
	PCT 5.60	38.54	.93	0.00	0.00	0.00	0.00	0.00	0.00	49.07	
TOT	FREQ 146	466	33	0	0	0	0	0	0	645	
	PCT 22.60	72.14	5.11	0.00	0.00	0.00	0.00	0.00	0.00	93.45	
CALM FREQ	1	PCT	.15				MISSING FREQ	26	PCT	3.27	

GUN HILL, C.T.

WIND ROSE

FEBRUARY 1971



3.9 % OF DATA MISSING

LEGEND: EACH BLIP EQUALS ONE PERCENT OF DIRECTION FREQUENCY.

1 TO 12 MPH 0000000000
13 TO 31 MPH 0000000000
32 AND OVER 0000000000

GUN HILL FEBRUARY 1971
HOURLY AVERAGES FOR THE MONTH

HOUR	PRECIP	STA PRESS	TEMP	HUMID	DEW PT	WIND - DIRECT	WIND SPEED	WBT DRY	WBT WET	WGT BLACK	WGT INDEX
1	0.00	995.8	71	98	70	NNW	4	71	69	69	69
2	0.00	995.2	70	98	69	NNW	4	71	69	69	69
3	0.00	994.9	70	97	69	NNW	4	70	69	69	69
4	0.00	994.6	70	98	69	NNW	4	70	69	69	69
5	0.00	994.7	69	98	69	NNW	4	71	69	69	69
6	0.00	995.1	69	98	69	NNW	4	70	69	69	69
7	0.00	995.6	70	98	69	NNW	3	71	69	71	70
8	0.00	996.2	73	94	71	NNW	3	75	73	88	76
9	0.00	996.7	76	84	71	NNW	3	80	76	100	82
10	0.00	997.1	81	73	71	N	4	82	76	101	82
11	0.00	997.1	83	65	70	N	5	84	76	106	83
12	0.00	996.5	85	61	70	N	6	86	76	108	83
13	0.00	995.7	86	59	70	N	5	87	77	109	85
14	T	994.9	86	61	70	N	6	86	76	105	83
15	.01	994.2	84	64	70	N	6	85	76	101	82
16	.02	993.7	82	70	70	N	7	83	75	98	80
17	T	993.7	81	73	70	N	6	80	73	92	78
18	T	993.9	78	81	71	NNW	6	76	71	79	73
19	0.00	994.5	75	90	71	NNW	5	73	69	72	70
20	0.00	995.1	73	97	72	NNW	5	72	69	71	70
21	0.00	995.6	72	98	71	NNW	5	72	70	71	70
22	0.00	996.1	72	98	71	NNW	4	72	70	70	70
23	0.00	996.3	71	98	71	NNW	4	71	69	70	70
24	0.00	996.1	71	98	70	NNW	4	71	69	70	70

GUN HILL FEBRUARY 1971
HOURLY AVERAGES FOR THE MONTH

HOUR	VERT RAD	NET RAD	TOT RAD	OZONE
1		-6	32	2.1
2		-6	32	2.0
3		-6	32	2.0
4		-6	32	2.0
5	0	-6	32	2.0
6	0	-5	32	2.0
7	4	-5	36	1.9
8	21	8	52	1.9
9	40	20	71	2.0
10	54	32	88	2.2
11	63	40	98	2.4
12	65	41	101	2.6
13	66	43	105	2.7
14	55	34	93	2.9
15	46	25	80	2.9
16	33	16	67	2.9
17	15	5	51	2.8
18	2	-5	35	2.8
19	0	-7	31	2.8
20	0	-7	32	2.6
21		-7	31	2.4
22		-6	32	2.3
23		-7	31	2.2
24		-7	31	2.1

[illegible]

AVE MAX WIND SPEED AND DIRECTION IS ACTUAL MAXIMUM SPEED AND CONCURRENT DIRECTION
THE MAXIMUM SPEED OCCURRED 4 TIMES

GUN HILL FEBRUARY 1971
 MONTHLY CLIMATOLOGICAL SUMMARY

VERT	WFT	TOT		
HAD	HAD	RAN	OZONE	
TOT	467	180	1249	
AVE				2.4
AVE	W:K			3.2
AVE	W:K			1.7

TOT IS AVERAGE FOR THE MONTH